For Research Use Only

pan Ras Monoclonal antibody

Catalog Number:60309-1-lg Featured Product

17 Publications

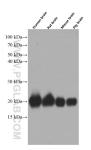
oroteintech Antibodies | ELISA kits | Proteins www.ptglab.com

Basic Information	Catalog Number: 60309-1-lg	GenBank Accession Number: BC013572		Purification Method: Protein G purification						
	Size:	GenelD (NCBI): 3845		CloneNo.: 4H4G7						
	150ul , Concentration: 830 ug/ml by									
	Nanodrop and 500 ug/ml by Bradford method using BSA as the standard; Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG2700	UNIPROT ID: P01116 Full Name: v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog Calculated MW: 188 aa, 21 kDa Observed MW:		Recommended Dilutions: WB 1:20000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF/ICC 1:400-1:1600						
					21 kDa					
					Applications	Tested Applications:	ested Applications: Positive Controls:			
						WB, IHC, IF/ICC, FC (Intra), IP, ELISA		WB : fetal human brain tissue, pig brain tissue, HEK-		
						Cited Applications: WB, IHC, IF		293 cells, Neuro-2a cells, ROS1728 cells, rabbit brain tissue, rat brain tissue, mouse brain tissue, chicken		
						Species Specificity:			numan brain tissue	
						human, mouse, rat, pig, rabbit, chicken		IP : mouse brain tissue,		
				IHC : human		IHC : human breast cancer tissue, human colon cancer				
tissue, human lung cancer tissue, human ovary cance tissue IF/ICC : HEK-293 cells,										
		Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate								
						retrieval may be performed w	ith citrate	IT/ICC.TIEN	-293 Cells,	
	retrieval may be performed w buffer pH 6.0	ith citrate	FC (Intra) : H							
Background Information	buffer pH 6.0 The 21 kDa guanine-nucleotide bindi members are related to the transform	ng proteins (K-Ras, H- ing genes of mamma se proteins can bind C although mRNA anal v were found in differ	FC (Intra) : H Ras, and N-Ras) alian sarcoma re TP and GDP, and ysis suggests di ent tumors, sugg	eLa cells, belong to the Ras oncogene family, who troviruses. K-Ras, H-Ras, and N-Ras have I they have intrinsic GTPase activity. Th fferent level expression in tissue. resting their involvement in the						
	buffer pH 6.0 The 21 kDa guanine-nucleotide bindi members are related to the transform similar structure and sequences. These ras genes are ubiquitously expressed Mutations in each ras gene frequently development of specific neoplasia. The	ng proteins (K-Ras, H- ing genes of mamma se proteins can bind C although mRNA anal v were found in differ	FC (Intra) : H Ras, and N-Ras) Ilian sarcoma re ITP and GDP, and ysis suggests di ent tumors, sugg gnize K-Ras, H-R	eLa cells, belong to the Ras oncogene family, who troviruses. K-Ras, H-Ras, and N-Ras have I they have intrinsic GTPase activity. The fferent level expression in tissue. resting their involvement in the						
	buffer pH 6.0 The 21 kDa guanine-nucleotide bindi members are related to the transform similar structure and sequences. These ras genes are ubiquitously expressed Mutations in each ras gene frequently development of specific neoplasia. The Author Pub	ng proteins (K-Ras, H- ing genes of mamma se proteins can bind C although mRNA anal v were found in differ his antibody can reco med ID Jou	FC (Intra) : H Ras, and N-Ras) Ilian sarcoma re ITP and GDP, and ysis suggests di ent tumors, sugg gnize K-Ras, H-R	eLa cells, belong to the Ras oncogene family, who troviruses. K-Ras, H-Ras, and N-Ras have I they have intrinsic GTPase activity. The fferent level expression in tissue. gesting their involvement in the as, and N-Ras.						
Background Information Notable Publications	buffer pH 6.0 The 21 kDa guanine-nucleotide bindi members are related to the transform similar structure and sequences. These ras genes are ubiquitously expressed Mutations in each ras gene frequently development of specific neoplasia. The Author Pub Peng Yuan 277	ng proteins (K-Ras, H- ing genes of mamma se proteins can bind C although mRNA anal v were found in differ his antibody can reco med ID Jour 93842 Can	FC (Intra) : H Ras, and N-Ras) alian sarcoma re iTP and GDP, and ysis suggests di ent tumors, sugg gnize K-Ras, H-R	eLa cells, belong to the Ras oncogene family, who troviruses. K-Ras, H-Ras, and N-Ras have d they have intrinsic GTPase activity. The fferent level expression in tissue. testing their involvement in the as, and N-Ras. Application						
	buffer pH 6.0The 21 kDa guanine-nucleotide bindi members are related to the transform similar structure and sequences. These ras genes are ubiquitously expressed Mutations in each ras gene frequently development of specific neoplasia. The AuthorAuthorPub Peng YuanJia-Qing Zhang330	ng proteins (K-Ras, H- ing genes of mamma e proteins can bind C although mRNA anal vere found in differ his antibody can reco med ID Jour 93842 Can 79330 Rep	FC (Intra) : H Ras, and N-Ras) alian sarcoma re TTP and GDP, and ysis suggests di ent tumors, sugg gnize K-Ras, H-R rnal cer Res	eLa cells, belong to the Ras oncogene family, who troviruses. K-Ras, H-Ras, and N-Ras have d they have intrinsic GTPase activity. The fferent level expression in tissue. testing their involvement in the as, and N-Ras. Application WB						
	buffer pH 6.0The 21 kDa guanine-nucleotide bindi members are related to the transform similar structure and sequences. These ras genes are ubiquitously expressed Mutations in each ras gene frequently development of specific neoplasia. The AuthorAuthorPub Peng YuanJia-Qing Zhang330	ng proteins (K-Ras, H- ing genes of mamma e proteins can bind C although mRNA anal vere found in differ his antibody can reco med ID Jour 93842 Can 79330 Rep	FC (Intra) : H Ras, and N-Ras) Ilian sarcoma re TP and GDP, and ysis suggests di ent tumors, sugg gnize K-Ras, H-R rnal cer Res rod Sci	eLa cells, belong to the Ras oncogene family, who troviruses. K-Ras, H-Ras, and N-Ras have d they have intrinsic GTPase activity. The fferent level expression in tissue. resting their involvement in the as, and N-Ras. Application WB WB						
Notable Publications	buffer pH 6.0The 21 kDa guanine-nucleotide bindi members are related to the transform similar structure and sequences. These ras genes are ubiquitously expressed Mutations in each ras gene frequently development of specific neoplasia. The AuthorAuthorPub Peng YuanJia-Qing Zhang330	ng proteins (K-Ras, H- ing genes of mamma se proteins can bind C although mRNA anal vere found in differ his antibody can reco med ID Jour 93842 Can 79330 Rep 21072 J Ce	FC (Intra) : H Ras, and N-Ras) Ilian sarcoma re TP and GDP, and ysis suggests di ent tumors, sugg gnize K-Ras, H-R rnal cer Res rod Sci	eLa cells, belong to the Ras oncogene family, who troviruses. K-Ras, H-Ras, and N-Ras have d they have intrinsic GTPase activity. The fferent level expression in tissue. resting their involvement in the as, and N-Ras. Application WB WB						
Notable Publications	buffer pH 6.0 The 21 kDa guanine-nucleotide bindi members are related to the transform similar structure and sequences. These ras genes are ubiquitously expressed Mutations in each ras gene frequently development of specific neoplasia. The Author Pub Peng Yuan 277 Jia-Qing Zhang 330 Wei Wang 330 Storage: Storage Buffer:	ng proteins (K-Ras, H- ing genes of mamma e proteins can bind C although mRNA anal v were found in differ- his antibody can reco med ID Jour 93842 Can 79330 Rep 21072 J Ce er shipment.	FC (Intra) : H Ras, and N-Ras) Ilian sarcoma re TP and GDP, and ysis suggests di ent tumors, sugg gnize K-Ras, H-R rnal cer Res rod Sci	eLa cells, belong to the Ras oncogene family, who troviruses. K-Ras, H-Ras, and N-Ras have d they have intrinsic GTPase activity. The fferent level expression in tissue. resting their involvement in the as, and N-Ras. Application WB WB						
Notable Publications	buffer pH 6.0 The 21 kDa guanine-nucleotide bindi members are related to the transform similar structure and sequences. These ras genes are ubiquitously expressed Mutations in each ras gene frequently development of specific neoplasia. T Author Pub Peng Yuan 277 Jia-Qing Zhang 330 Wei Wang 330 Storage: Storage Storage Buffer: PBS with 0.02% sodium azide and 50	ng proteins (K-Ras, H- ing genes of mamma e proteins can bind C although mRNA anal v were found in differ- his antibody can reco med ID Jour 93842 Can 79330 Rep 21072 J Ce er shipment.	FC (Intra) : H Ras, and N-Ras) Ilian sarcoma re TP and GDP, and ysis suggests di ent tumors, sugg gnize K-Ras, H-R rnal cer Res rod Sci	eLa cells, belong to the Ras oncogene family, who troviruses. K-Ras, H-Ras, and N-Ras have d they have intrinsic GTPase activity. Th fferent level expression in tissue. resting their involvement in the as, and N-Ras. Application WB WB						

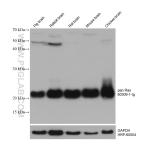
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

Group brand and is not available to purchase from any other manufacturer.

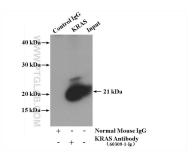
Selected Validation Data



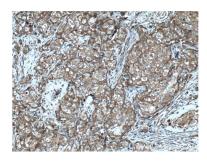
Various lysates were subjected to SDS PAGE followed by western blot with 60309-1-lg (pan Ras Antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



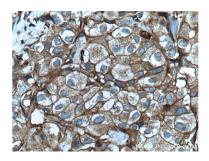
Various lysates were subjected to SDS PAGE followed by western blot with 60309-1-lg (pan Ras antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



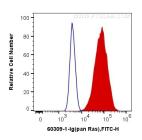
IP result of anti-pan Ras (IP:60309-1-Ig, 5ug; Detection:60309-1-Ig 1:2000) with mouse brain tissue lysate 4000 ug.



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 60309-1-Ig (pan Ras Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



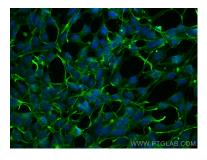
Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 60309-1-Ig (pan Ras Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human pan Ras (60309-1-1g, Clone:4H4G7) and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffinembedded human ovary cancer tissue slide using 60309-1-1g (pan Ras antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using pan Ras antibody (60309-1-Ig, Clone: 4H4G7) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).