For Research Use Only

AGO2 Monoclonal antibody

Catalog Number:67934-1-lg Featured Product 59 Publications





Basic Information	Catalog Number: 67934-1-lg	GenBank Accession Number: BC007633	Purification Method: Protein G purification	
	Size: 150ul , Concentration: 2000 ug/ml by Nanodrop; Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG27772	GenelD (NCBI): 27161	CloneNo.: 1G2H12	
		UNIPROT ID: Q9UKV8 Full Name: eukaryotic translation initiation factor 2C, 2 Calculated MW: 97 kDa	Recommended Dilutions: WB: 1:1000-1:5000	
			IHC: 1:200-1:800 FC (Intra): 0.25 ug per 10^6 cells in a 100 µl suspension	
		Observed MW: 90 kDa		
Applications	Tested Applications: WB, IHC, FC (Intra), ELISA	Positive Controls:		
	Cited Applications:		WB : LNCaP cells, K-562 cells, 4T1 cells, HepG2 cells, HeLa cells, HEK-293 cells, MCF-7 cells, HSC-T6 cells	
	WB, IHC, IF, IP, RIP Species Specificity:		IHC : human pancreas cancer tissue, human urothelia carcinoma tissue FC (Intra) : HeLa cells,	
	human, mouse, rat Cited Species: human, mouse, rat, pig	FC (Int		
	Note-IHC: suggested antigen ro TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0	ely, antigen		
Background Information	EIF2C2, also named as AGO2, belong gene silencing (RNAi) by the RNA-ind EIF2C2/AGO2 bound to a short guide inhibit translation initiation by bindu translation initiation factor eIF4-E. It	uced silencing complex (RISC). RNA such as a microRNA (miRN ng to the 7-methylguanosine ca also inhibit translation initiation vents its association with the 44	The 'minimal RISC' appears to include (A) or short interfering RNA (siRNA). EIF2C2 ma ap, thereby preventing the recruitment of the on via interaction with EIF6, which itself binds DS ribosomal subunit. EIF2C2 can also	
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA)

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67934-1-1g (AGO2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



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WB result of AGO2 antibody (67934-1-1g; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AGO2 transfected HepG2 cells.



Immunohistochemical analysis of paraffinembedded human urothelial carcinoma tissue slide using 67934-1-1g (AGO2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using 67934-1-1g (AGO2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10^6 HeLa cells were intracellularly stained with 0.25 ug AGO2 Monoclonal antibody (67934-1-1g, Clone:1G2H12) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.25 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).