For Research Use Only

IDH1 Monoclonal antibody

Catalog Number:66197-1-lg 5 Publications



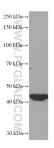
Catalog Number: GenBank Accession Number: 66197-1-lg BC012846			Purification Method: Protein G purification	
Size:	GenelD (NCBI):			
150ul , Concentration: 1800 ug/ml by	3417 dUNIPROT ID: 075874 Full Name: isocitrate dehydrogenase 1 (NADP+), soluble Calculated MW:		CloneNo.: 2A6A2 Recommended Dilutions:	
Nanodrop and 1000 ug/ml by Bradford				
method using BSA as the standard;			WB: 1:1000-1:4000 IHC: 1:2000-1:8000	
Source:				
Mouse			IF/ICC: 1:200-1:800 FC (Intra): 0.25 ug per 10^6 cells in a	
Isotype:				•
-			1	
A019275	Observed MW: 46 kDa			
Tested Applications:		Positive Contr	ols:	
WB, IHC, IF/ICC, FC (Intra), ELISA		WB : HepG2 cells, HeLa cells, DU 145 cells, MCF-7 cell IHC : human liver cancer tissue, human gliomas tissue IF/ICC : HepG2 cells,		
Cited Applications:				
human		FC (Intra) : HepG2 cells,		
Cited Species:				
human	human			
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
common feature of a major subset of mutation is always heterozygotic and	primary human b d IDH1 functions a	rain cancers. It can fo as a dimer, theoretical	rm a homodimer(P lly there will be 25	MID:15173171).IDH1
Author Pub	bmed ID	Journal		Application
Teresa W-M Fan 361	150727	J Immunol		
Florent Laferrière 305	559480	Nat Neurosci		
Sikai Wang 382	280407	Biochim Biophys Acta	a Mol Cell Res	WB
Storage Buffer:	er shipment. % glycerol, pH7.3			
	Nanodrop and 1000 ug/ml by Bradfor method using BSA as the standard; Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG19293 Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA Cited Applications: WB, IP Species Specificity: human Cited Species: human Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternativ retrieval may be performed we buffer pH 6.0 IDH1, also named as PICD and IDP, bi common feature of a major subset of mutation is always heterozygotic and mutant homo-dimers and 50% heterot Author Put Teresa W-M Fan 36 Florent Laferrière 300 Sikai Wang 383	150ul, Concentration: 1800 ug/ml by 3417Nanodrop and 1000 ug/ml by Bradford UNIPROT ID: method using BSA as the standard: O75874Source: MouseFull Name: isocitrate dehyd solubleIgG1Calculated MW: 414 aa, 47 kDaImmunogen Catalog Number: AG19293A14 aa, 47 kDaAG19293Observed MW: 46 kDaTested Applications: WB, IHC, IF/ICC, FC (Intra), ELISACited Applications: WB, IPSpecies Specificity: humanNote-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0IDH1, also named as PICD and IDP, belongs to the isoc common feature of a major subset of primary human b mutation is always heterozygotic and IDH1 functions a mutat homo-dimers and 50% hetero-dimers presentAuthorPubmed ID Teresa W-M Fan 36150727Florent Laferrière Sikai Wang38280407	150ul, Concentration: 1800 ug/ml by 3417 Nanodrop and 1000 ug/ml by Bradford UNIPROT ID: method using BSA as the standard; O75874 Source: Full Name: Mouse isocitrate dehydrogenase 1 (NADP+), Isotype: soluble IgG1 Calculated MW: Immunogen Catalog Number: 414 aa, 47 kDa AG19293 Observed MW: 46 kDa WB: HepG2 ce Cited Applications: IF/ICC : FC (Intra), ELISA WB, IP IF/ICC : HepG: human FC (Intra) : Hep Cited Species: IF/ICC : Suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 IDH1, also named as PICD and IDP, belongs to the isocitrate and isopropylm Common feature of a major subset of primary human brain cancers. It can for mutation is always heterozygotic and IDH1 functions as a dimer, theoretical mutant homo-dimers and 50% hetero-dimers present in the tumor cells(PMI Author Pubmed ID Journal Teresa W-M Fan 36150727 J Immunol Florent Laferrière 30559480 Nat Neurosci Sikai Wang	150ul, Concentration: 1800 ug/ml by 3417 2A6A2 Nanodrop and 1000 ug/ml by Bradford UNIPROT ID: Recommended Di method using BSA as the standard; 075874 Source: Full Name: isocitrate dehydrogenase 1 (NADP+); IF/IC:: 1200-1800 Isotype: soluble isocitrate dehydrogenase 1 (NADP+); IF/IC:: 1200-1800 Immunogen Catalog Number: 414 aa, 47 kDa AG19293 Observed MW: 46 kDa WB: HepG2 cells, HeLa cells, DU: Cited Applications: WB: HepG2 cells, HeLa cells, DU: WB, IP IHC : human liver cancer tissue, fr Species Specificity: IF/ICC:: HepG2 cells, human FC (Intra): EUSA Waman Kote-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval with Terestal as PICD and IDP, belongs to the isocitrate and isopropylmalate dehydrogena common feature of a major subset of primary human brain cancers. It can form a homodimer(P mutation is always heterozygotic and IDH1 functions as a dimer, theoretically there will be 25 mutant homo-dimers and 50% hetero-dimers present in the tumor cells(PMID:21079649). Author Pubmed ID Journal Teresa W-M Fan 36150727 Immunol Flore

For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

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Selected Validation Data

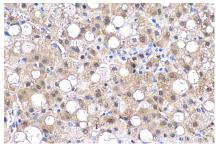
for 1.5 hours.



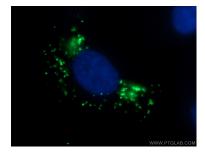
HepG2 cells were subjected to SDS PAGE followed by western blot with 66197-1-1g (IDH1 antibody) at dilution of 1:3000 incubated at room temperature



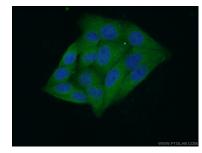
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 66197-1-1g (IDH1 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



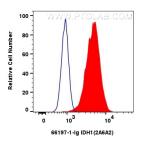
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 66197-1-Ig (IDH1 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 66197-1-Ig (IDH1 antibody) at dilution of 1:400 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 66197-1-Ig(IDH1 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1x10^6 HepG2 cells were intracellularly stained with 0.25 ug IDH1 Monoclonal antibody (66197-1-Ig, Clone:2A6A2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1) (red), or 0.25 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).