

For Research Use Only

IDH1 Recombinant antibody, PBS Only



Catalog Number: 81176-1-PBS

Basic Information

Catalog Number: 81176-1-PBS	GenBank Accession Number: BC012846	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 3417	CloneNo.: 6L18
Source: Rabbit	UNIPROT ID: O75874	
Isotype: IgG	Full Name: isocitrate dehydrogenase 1 (NADP+), soluble	
Immunogen Catalog Number: AG19749	Calculated MW: 414 aa, 47 kDa	
	Observed MW: 46 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, mouse, rat

Background Information

IDH1, also named as PICD and IDP, belongs to the isocitrate and isopropylmalate dehydrogenases family. It is a common feature of a major subset of primary human brain cancers. It can form a homodimer (PMID:15173171). IDH1 mutation is always heterozygotic and IDH1 functions as a dimer, theoretically there will be 25% each wild type and mutant homo-dimers and 50% hetero-dimers present in the tumor cells (PMID:21079649).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

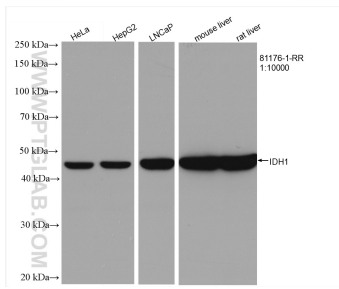
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81176-1-RR (IDH1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81176-1-PBS in a different storage buffer formulation.