

For Research Use Only

IDH1 Recombinant antibody

Catalog Number: 81176-1-RR



Basic Information

Catalog Number: 81176-1-RR	GenBank Accession Number: BC012846	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3417	CloneNo.: 6L18
Source: Rabbit	Full Name: isocitrate dehydrogenase 1 (NADP+), soluble	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Calculated MW: 414 aa, 47 kDa	
Immunogen Catalog Number: AG19749	Observed MW: 46 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, mouse, rat

Positive Controls:

WB : HeLa cells, HepG2 cells, LNCaP cells, mouse liver tissue, rat liver tissue

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 -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

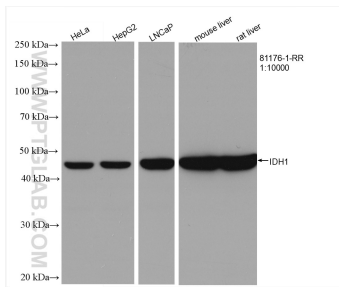
For technical support and original validation data for this product please contact:

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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.