

For Research Use Only

IDH1 Recombinant antibody, PBS Only



Catalog Number: 81176-1-PBS

Basic Information

Catalog Number:

81176-1-PBS

Size:

1mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19749

GenBank Accession Number:

BC012846

GeneID (NCBI):

3417

UNIPROT ID:

O75874

Full Name:

isocitrate dehydrogenase 1 (NADP+), soluble

Calculated MW:

414 aa, 47 kDa

Observed MW:

46 kDa

Purification Method:

Protein A purification

CloneNo.:

6L18

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

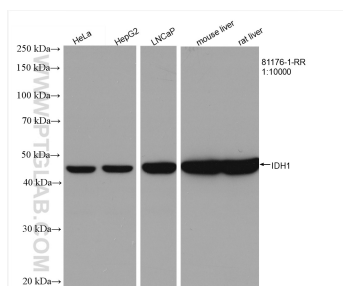
T: 4006900926

E: Proteintech-CN@ptglab.com

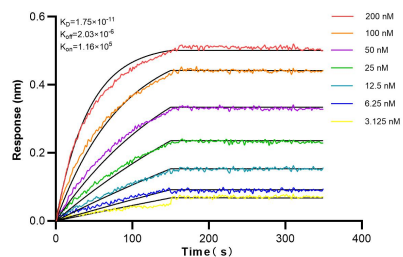
W: ptgcn.com

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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.



Biolayer interferometry (BLI) kinetic assays of 81176-1-RR against Human IDH1 were performed. The affinity constant is 17.5 pM.