

For Research Use Only

CoraLite® Plus 750-conjugated IDH1 Recombinant antibody



Catalog Number: CL750-81176

Basic Information

Catalog Number:

CL750-81176

Size:

1000 µg/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

Recommended Dilutions:

WB 1:1000-1:4000

Excitation/Emission maxima
wavelengths:

755 nm / 780 nm

Applications

Tested Applications:

WB

Species Specificity:

Human, mouse, rat

Positive Controls:

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

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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

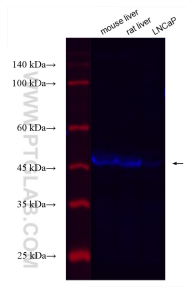
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL750-81176 (IDH1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.