

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, FC (Intra)

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:

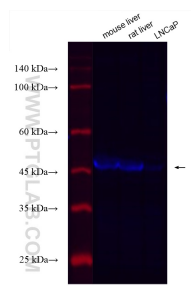
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

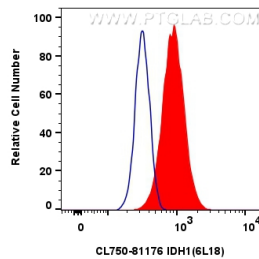
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.



1×10^6 HepG2 cells were intracellularly stained with 0.4 μ g CoraLite® Plus 750-conjugated IDH1 Recombinant antibody (CL750-81176, Clone:6L18) (red), or 0.4 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).