

IDH1 Rabbit mAb

Catalog No: #59993

Package Size: #59993-1 50ul #59993-2 100ul

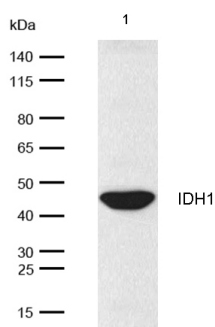
Description

Product Name	IDH1 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC IP
Species Reactivity	Human Mouse Rat
Specificity	IDH1 Antibody detects endogenous levels of total IDH1
Immunogen Description	A synthesized peptide derived from human IDH1
Other Names	HEL-216; HEL-S-26; ICDH; IDCD; IDH; IDH1; IDP; IDPC; PICD;
Accession No.	Uniprot:O75874
Calculated MW	45kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Application Details

WB 1:500~1:2000 IHC 1:50~1:200 IP 1:50

Images



All lanes: IDH1 Rabbit mAb at 1/1k dilution

Lane 1 : HepG2 whole cell lysates
Lysates/proteins at 20 µg per lane.

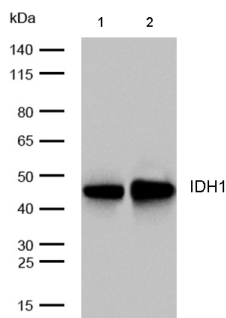
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 45 kDa

Observed band size: 45 kDa

Exposure time: 5 seconds



All lanes: IDH1 Rabbit mAb at 1/1k dilution

Lane 1 : Mouse liver lysates Lane 2 : Rat liver lysates

Lysates/proteins at 20 µg per lane.

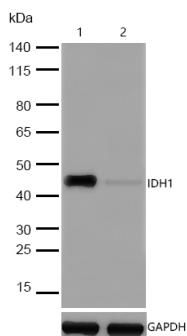
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 45 kDa

Observed band size: 45 kDa

Exposure time: 4 seconds

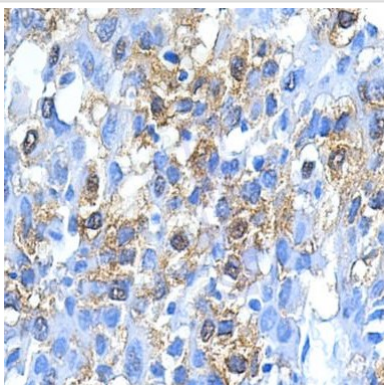


All lanes: IDH1 Rabbit mAb at 1/1k dilution

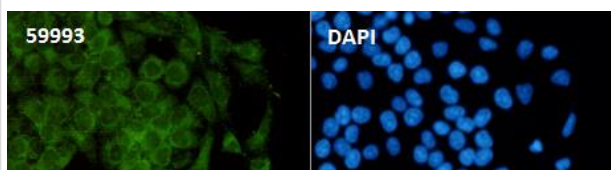
Lane 1 : Wild-type HAP1 cell lysate

Lane 2 : IDH1 Rabbit mAb knockdown HAP1 cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human liver cancer tissue stained for IDH1 using 59993 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence IDH1 antibody (59993)

ICC/IF staining of IDH1 in

Hela cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were

incubated with 59993 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Nuclei

were counterstained with DAPI.

Background

Genetic variations are associated with cartilaginous tumors such as enchondroma or chondrosarcoma. Mutations of Arg-132 to Cys, Gly or His abolish the conversion of isocitrate to alpha-ketoglutarate. Instead, alpha-ketoglutarate is converted to R(-)-2-hydroxyglutarate.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.