Product Name: IDH1 Rabbit Monoclonal Antibody
Catalog #: AMRe01425
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.64mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,IP 1:20-1:50
Molecular Weight	Calculated MW: 47 kDa; Observed MW: 47 kDa

Antigen Information

Gene Name	IDH1
Alternative Names	IDH1; PICD; Isocitrate dehydrogenase [NADP] cytoplasmic; IDH; Cytosolic NADP-isocitrate dehydrogenase; IDP; NADP(+)-specific ICDH; Oxalosuccinate decarboxylase
Gene ID	3417
SwissProt ID	O75874
Immunogen	A synthetic peptide of human Isocitrate dehydrogenase

Background

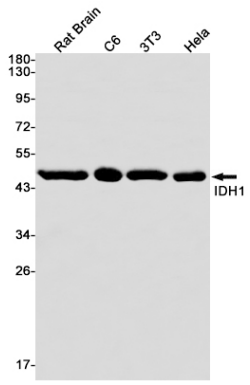
Genetic variations are associated with cartilaginous tumors such as enchondroma or chondrosarcoma. Mutations of Arg-132 to

Cys, Gly or His abolish the conversion of isocitrate to alpha-ketoglutarate. Instead, alpha-ketoglutarate is converted to R(-)-2-hydroxyglutarate.

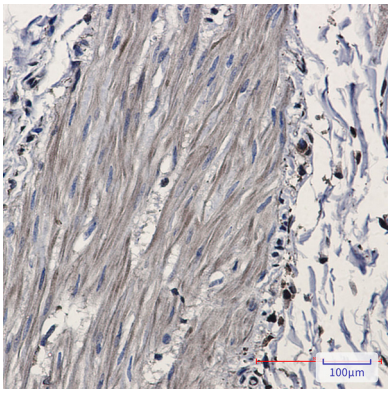
Research Area

Signal Transduction

Image Data



Western blot analysis of IDH1 in rat Brain, C6, 3T3, Hela lysates using IDH1 antibody.



Immunohistochemistry analysis of paraffin-embedded Human Cholangiocarcinoma using Isocitrate dehydrogenase antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.