

Rabbit anti-Human IDH1 R132H Monoclonal Antibody | anti-IDH1 antibody

IDH1 R132H (RBT-IDH1)

CATALOG # AAA59376	HOST Rabbit	REACTIVITY Human
------------------------------	-----------------------	----------------------------

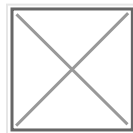
PRODUCT SYNONYMS

IDH1 R132H; Monoclonal Antibody; IDH1 R132H (RBT-IDH1); idh1; anti-idh1; r132h; anti-r132h; idh-1; idh 1; anti-idh-1; anti-idh; anti-IDH1 antibody

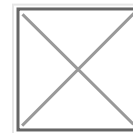
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	RBT-IDH1
Form/Format	Paraffin, Frozen IDH1 is a rabbit monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH7.5, containing BSA and sodium azide as a preservative.
Immunogen	Synthetic peptide corresponding to IDH1 R132H mutant.
Control	Glioma
Localization	Cytoplasmic
Preparation and Storage	Store at 2-8 degree C (Control Slides: Store at 20-25 degree C)

IMAGES



IHC (Immunohistochemistry)
IDH1 Antibody Immunohistochemistry on an FFPE Glioblastoma Tissue



Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-IDH1 antibody

IDH1 is an isocitrate dehydrogenase isozymes and encoded by the gene IDH1. IDH1 is involved in the citric acid cycle during glucose metabolism and catalyzes the oxidation of isocitrate to α -ketoglutarate and reduction of NADP⁺ to NADPH. Both α -ketoglutarate and NADPH play a role in protecting cells from oxidative stress and mitigating oxidative damage. Mutation in residue 132 of IDH1 results in loss of enzymatic function, build up of 2-hydroxyglutarate, and change in histone and DNA methylation.

Mutation of IDH1 is implicated in metaphyseal chondromatosis with aciduria as well as diffused gliomas and a number of neoplasms such as acute myeloid leukemia, acute lymphocytic leukemia, myelofibrosis, intrahepatic cholangiocarcinoma, melanoma, chondroid tumors, and certain rare forms of colonic and prostate carcinomas. However studies have shown that IDH1 mutation is not a direct trigger of oncogenesis, but strongly associated with other tumor-promoting mutations. Screening for IDH1 mutation can provide valuable information on identification and prognosis of glioma. Glioma with IDH1 mutation tend to be less aggressive than glioma without IDH1 mutation.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/idh1-r132h-antibody-clone-rbt-idh1-elisa/59376>