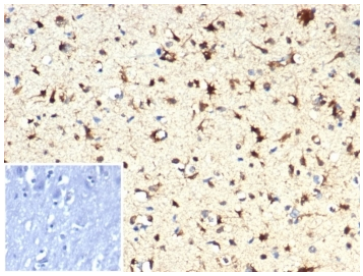
IDH1-R132H Antibody / Isocitrate Dehydrogenase [clone IDH1.R132H/7328R] (V4936)

Catalog No.	Formulation	Size
V4936-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4936-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4936SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

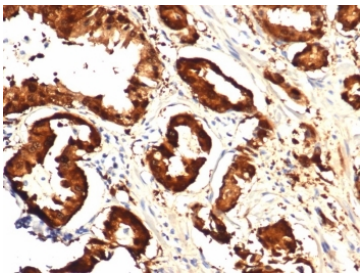
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	IDH1.R132H/7328R
Purity	Protein A/G affinity
UniProt	O75874
Localization	Cytoplasm, Nucleus
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This IDH1-R132H antibody is available for research use only.



IHC staining of FFPE human brain tissue with IDH1-R132H mutation with IDH1-R132H antibody (clone IDH1.R132H/7328R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human prostate tissue with IDH1-R132H mutation with IDH1-R132H antibody (clone IDH1.R132H/7328R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

IDH1 R132H antibody binds to IDH1-mutated protein, but does not bind the wild-type IDH1 protein. IDH1 R132H point mutations are frequently seen in World Health Organization grade II and III gliomas and are believed to constitute an early step in tumorigenesis. IDH1 R132H can be used as a diagnostic marker to help differentiate infiltrating gliomas from gliosis, and as a prognostic marker for gliomas and secondary glioblastoma multiforme. IDH1 R132H antibody shows strong cytoplasmic staining and weaker nuclear staining in tumor cells with the R132H-mutated peptide. Diffuse staining of the fibrillary tumor matrix is also seen.

For an alternative recombinant monoclonal clone recognizing the IDH1 R132H mutation, see our IDH1 R132H Antibody IDH1/6806R / IDH1 R132H Mutation Antibody page.

Application Notes

Optimal dilution of the IDH1-R132H antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 1-200) from the human protein was used as the immunogen for the IDH1-R132H antibody.

Storage

Aliquot the IDH1-R132H antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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