

Datasheet for ABIN7566428
anti-IDH1 antibody (R132H)



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Overview

Quantity:	100 µL
Target:	IDH1
Binding Specificity:	R132H
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IDH1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	anti-Isocitrate Dehydrogenase 1 [IDH1] (R132H Mutant) (human), mAb (AG-IHC132)
Immunogen:	Synthetic IDH1 peptide.
Clone:	AG-IHC132
Isotype:	IgG1
Characteristics:	Monoclonal Antibody. Recognizes human IDH1 mutated at R132H. Applications: ELISA, IHC. Isotype: Mouse IgG1. Clone: AG-IHC132. Liquid. In Tris Buffer, pH 7.4, containing 1 % BSA and <0.1 % sodium azide. Isocitrate Dehydrogenase 1 (IDH1) is a soluble, cytosolic enzyme involved in the TCA metabolic cycle. The most notable mutation in this enzyme, R132H, is clinically indicated in the majority of astrocytomas and oligodendroglial tumors, with the mutation being associated with more favourable prognosis and increased survival in those patients. IDH1 R132H is also useful in the differential diagnosis between anaplastic glioma and glioblastoma.

Product Details

This antibody is intended to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods. It has been optimized and validated using the BOND-MAX fully automated IHC&ISH stainer (see Protocol).

Isocitrate Dehydrogenase 1 (IDH1) is a soluble, cytosolic enzyme involved in the TCA metabolic cycle. The most notable mutation in this enzyme, R132H, is clinically indicated in the majority of astrocytomas and oligodendroglial tumors, with the mutation being associated with more favourable prognosis and increased survival in those patients. IDH1 R132H is also useful in the differential diagnosis between anaplastic glioma and glioblastoma. This antibody is intended to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods. It has been optimized and validated using the BOND-MAX fully automated IHC&ISH stainer (see Protocol).

Purification: Protein A/G purified.

Target Details

Target: IDH1

Alternative Name: Isocitrate Dehydrogenase 1 [IDH1] ([IDH1 Products](#))

UniProt: [075874](#)

Pathways: [Warburg Effect](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In Tris Buffer, pH 7.3 - 7.7, containing 1 % BSA and <0.1 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Do not freeze.

Handling

Storage:	4 °C
Storage Comment:	Stable for at least 1 year after receipt when stored at +4°C.