

Datasheet for ABIN5027284
anti-IDH1 antibody (AA 198-414)



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Overview

Quantity:	100 µg
Target:	IDH1
Binding Specificity:	AA 198-414
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IDH1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	A partial length recombinant IDH1 protein (amino acids 198-414) was used as the immunogen for this antibody
Clone:	ABM44B3
Isotype:	IgG2a kappa
Purification:	Protein G Chromatography

Target Details

Target:	IDH1
Alternative Name:	IDH1 (IDH1 Products)
Background:	Isocitrate dehydrogenase 1 (IDH1) is a dimeric cytosolic NADP-dependent dehydrogenase that

Target Details

catalyzes decarboxylation of isocitrate into alpha-ketoglutarate. It belongs to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). It serves a significant role in cytoplasmic NADPH production. It is found in the cytoplasm and peroxisomes. IDH1 is of great importance in cell metabolism and energy conversion. Mutations in IDH1 are found in a somatic mosaic fashion in patients with multiple enchondromas.

Gene ID: 3417

UniProt: [O75874](#)

Pathways: [Warburg Effect](#)

Application Details

Application Notes: IHC: 5 µg/mL

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: PBS containing 0.05 % BSA, PH 7.4

Preservative: Sodium azide

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

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

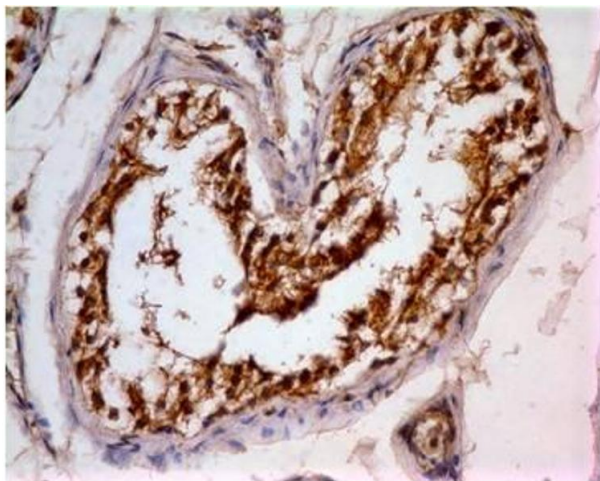


Image 1.