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10-7551: Monoclonal Antibody to IDH1 (Clone: ABM44B3)

Clonality :	Monoclonal
Clone Name :	ABM44B3
Application :	IHC
Reactivity :	Human
Gene :	IDH1
Gene ID :	3417
Uniprot ID :	O75874
Format :	Purified
Alternative Name :	IDH1,PICD
Isotype :	Mouse IgG2a Kappa
Immunogen Information :	A partial length recombinant IDH1 protein (amino acids 198-414) was used as the immunogen for this antibody

Description

Isocitrate dehydrogenase 1 (IDH1) is a dimeric cytosolic NADP-dependent dehydrogenase that 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.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Immunohistochemical analysis: 5 Ã□Âµg/ml

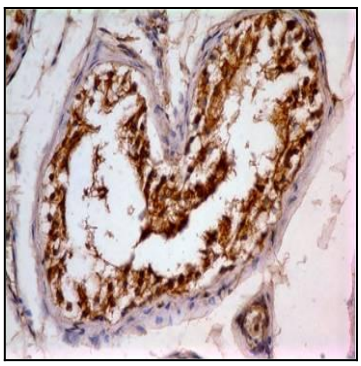

Fig-1 : Immunohistochemical analysis of IDH1 in human testis tissue using IDH1 antibody (Clone: ABM44B3) at 5 µg/ml.