

IDH1 Polyclonal Antibody

Catalog Number:E-AB-30163



Note: Centrifuge before opening to ensure complete recovery of vial contents.

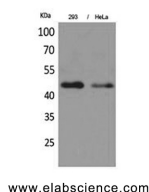
Description

Reactivity	Human,Mouse,Rat
Immunogen	Synthesized peptide derived from the N-terminal region of human IDH1.
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

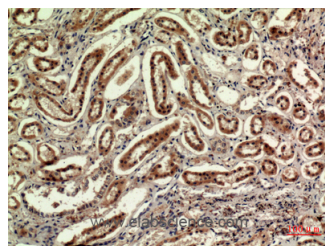
Applications Recommended Dilution

WB	1:500-1:2000
IHC	1:100-1:300
ELISA	1:10000-1:20000

Data



Western Blot analysis of 293T, Hela cells with IDH1 Polyclonal Antibody.
Observed MW:46kDa
Calculated Mw:47kDa



Immunohistochemistry of paraffin-embedded Human kidney tissue using IDH1 Polyclonal Antibody at dilution of 1:100.

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP(+)-dependent isocitrate dehydrogenase found in the cytoplasm and peroxisomes. It contains the PTS-1 peroxisomal targeting signal sequence.

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