

Product Datasheet

ENO1 Antibody



Catalog No: CY5106

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB ICC/IF IP

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Information

UniProt ID: P06733

All Names: ENO1; ENO1L1; MBP-1; MPB1; NNE; PPH

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 47 kDa

Application

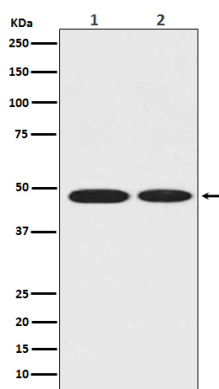
WB: 1:500~1:2000

ICC/IF: 1:50~1:200

IP: 1:50

Background

Enolase is an important glycolytic enzyme involved in the interconversion of 2-phosphoglycerate to phosphoenolpyruvate. Mammalian enolase exists as three subunits: enolase-1 (α -enolase), enolase-2 (γ -enolase) and enolase-3 (β -enolase) that can form both homo- and heterodimers. Expression of the enolase isoforms differs in a tissue specific manner. Enolase-1 plays a key role in anaerobic metabolism under hypoxic conditions and may act as a cell surface plasminogen receptor during tissue invasion. Abnormal expression of enolase-1 is associated with tumor progression in some cases of breast and lung cancer. Alternatively, an enolase-1 splice variant (MBP-1) binds the c-myc promoter p2 and may function as a tumor suppressor. For this reason enolase-1 is considered as a potential therapeutic target in the treatment of some forms of cancer.



Western blot analysis of ENO1 in (1) MCF-7 whole cell lysate; (2) Rat brain tissue lysate.

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