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ENO1

Reactivity: Human Mouse Rat

Tested applications:WB IHC IF

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:100

Calculated MW:47kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human ENO1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

j

Synonym:

ENO1;ENO1L1;MBP-1;MPB1;NNE;PPH ;

Catalog #:A1033

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:2023

Isotype: IgG

Swiss Prot:P06733

Purity: Affinity purification

For research use only.

Background:

Enolase is an important glycolytic enzyme involved in the interconversion of 2-phosphoglycerate to phosphoenolpyruvate. Mammalian enolase exists as three subunits: enolase-1 (-enolase), enolase-2 (-enolase) and enolase-3 (-enolase) that can form both homo- and heterodimers. Expression of the enolase isoforms differs in a tissue specific manner (1). Enolase-1 plays a key role in anaerobic metabolism under hypoxic conditions and may act as a cell surface plasminogen receptor during tissue invasion (2,3). Abnormal expression of enolase-1 is associated with tumor progression in some cases of breast and lung cancer (4-7). 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 (8).

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