Alpha-enolase monoclonal antibody

Catalog: MB66817 Host: Mouse Reactivity: Human, Mouse

BackGround:

Enolases have been characterized as highly conserved cytoplasmic glycolytic enzymes that may be involved in differentiation. Three isoenzymes have been identified: a Enolase, b Enolase and g Enolase. a Enolase expression has been detected on most tissues, whereas b Enolase is expressed predominantly in muscle tissue and g enolase is detected only in nervous tissue. These isoforms exist as both homodimers and heterodimers, and they play a role in converting phosphoglyceric acid to phosphenolpyruvic acid in the glycolytic pathway.

Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 51 kDa

Swiss-Prot:

P06733

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200)

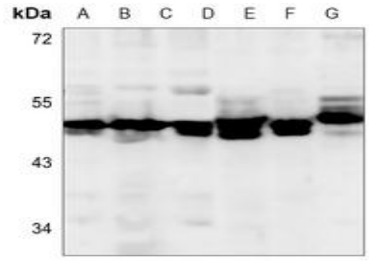
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

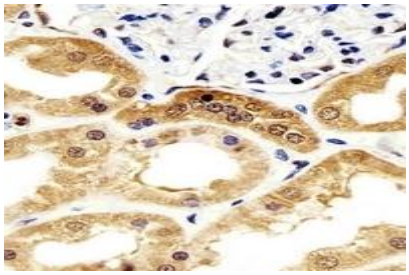
Specificity:

Recognizes endogenous levels of Alpha-enolase protein.

DATA:



Western blot analysis of Alpha-enolase expression in MCF7 (A), A431 (B), Hela (C), HepG2 (D), NIH3T3 (E), mouse stomach (F), mouse liver (G) whole cell lysates.



Immunohistochemical analysis of Alpha-enolase staining in human kideny formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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