

Alpha-enolase Polyclonal Antibody

Catalog No: #42349

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Description

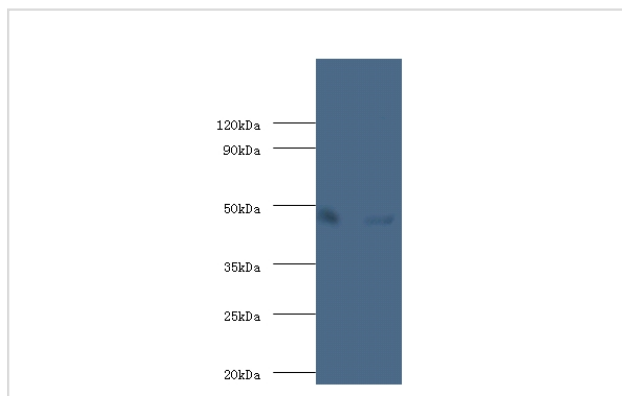
Product Name	Alpha-enolase Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Alpha-enolase polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Alpha-enolase
Target Name	Alpha-enolase
Other Names	2-phospho-D-glycerate hydro-lyase, C-myc promoter-binding protein, Enolase 1, MBP-1, MPB-1, Non-neural enolase, NNE, Phosphopyruvate hydratase, Plasminogen-binding protein, ENO1, ENO1L1, MBPB1, MPB1
Accession No.	Swiss-Prot#: P06733
Uniprot	P06733
GeneID	2023;
Calculated MW	47.7kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Western blotting: □ 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

Images



All lanes : Alpha-enolase antibody at 2ug/ml

Lane 1 : EC109 whole cell lysate

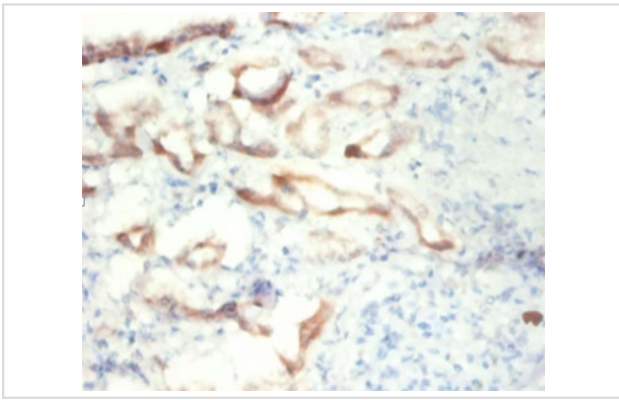
Lane 2 : 293T whole cell lysate

Secondary

Goat polyclonal to Rabbit IgG at 1/15000 dilution

Predicted band size : 47.7 kDa

Observed band size: 47.7 kDa



Immunohistochemical analysis of paraffin-embedded human kidney using #42349 at dilution of 1:50.

Background

ENO1 encodes one of three enolase isoenzymes found in mammals; it encodes alpha-enolase, a homodimeric soluble enzyme, and also encodes a shorter monomeric structural lens protein, tau-crystallin. The two proteins are made from the same message. The full length protein, the isoenzyme, is found in the cytoplasm. The shorter protein is produced from an alternative translation start, is localized to the nucleus, and has been found to bind to an element in the c-myc promoter. A pseudogene has been identified that is located on the other arm of the same chromosome.

References

- [1] "Molecular cloning and nucleotide sequence of a full-length cDNA for human alpha enolase." Giallongo A., Feo S., Moore R., Croce C.M., Showe L.C. Proc. Natl. Acad. Sci. U.S.A. 83:6741-6745(1986) [2] "Structure of the human gene for alpha-enolase." Gial

Note: This product is for in vitro research use only