Mouse anti-Human, mouse ENO1 Monoclonal Antibody | anti-ENO1 antibody

ENO1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283454	**Mouse**	**Human, mouse**	**Western Blot, Immunohistochemistry, ELISA**

PRODUCT SYNONYMS

ENO1; Monoclonal Antibody; ENO1 Antibody; Alpha-enolase; 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; ENO1L1; MBPB1; MPB1; anti-ENO1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, mouse
Clonality	Monoclonal
Isotype	IgG (k)
Clone Number	786CT6.6.4
Specificity	Purified His-tagged ENO1 protein was used to produced this monoclonal antibody.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Sequence Length	341
Applicable Applications for anti-ENO1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Function	Multifunctional enzyme that, as well as its role in glycolysis, plays a part in various processes such as growth control, hypoxia tolerance and allergic responses. May also function in the intravascular and pericellular fibrinolytic system due to its ability to serve as a receptor and activator of plasminogen on the cell surface of several cell-types such as leukocytes and neurons. Stimulates immunoglobulin production.
Cellular Location	Cytoplasm. Cell membrane. Cytoplasm, myofibril, sarcomere, M line. Note=Can translocate to the plasma membrane in either the homodimeric (alpha/alpha) or heterodimeric (alpha/gamma) form. ENO1 is localized to the M line.
Tissue Location	The alpha/alpha homodimer is expressed in embryo and in most adult tissues. The alpha/beta heterodimer and the beta/beta homodimer are found in striated muscle, and the alpha/gamma heterodimer and the gamma/gamma homodimer in neurons.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

WB (Western Blot)
ENO1 Antibody western blot analysis in MCF-7,A431,Hela,HepG2,mouse NIH/3T3 cell line and mouse stomach,liver tissue lysates (35ug/lane).This demonstrates the ENO1 antibody detected the ENO1 protein (arrow).

IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded H. kideny section using ENO1 Antibody. AAA283454 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-ENO1 antibody	Multifunctional enzyme that, as well as its role in glycolysis, plays a part in various processes such as growth control, hypoxia tolerance and allergic responses. May also function in the intravascular and pericellular fibrinolytic system due to its ability to serve as a receptor and activator of plasminogen on the cell surface of several cell-types such as leukocytes and neurons. Stimulates immunoglobulin production. MBP1 binds to the myc promoter and acts as a transcriptional repressor. May be a tumor suppressor.
Product Categories/Family for anti-ENO1 antibody	Crown Antibodies; Cancer; Metabolism; Signal Transduction
References	Giallongo A., et al. Proc. Natl. Acad. Sci. U.S.A. 83:6741-6745(1986). Giallongo A., et al. Eur. J. Biochem. 190:567-573(1990). Ray R., et al. Mol. Cell. Biol. 11:2154-2161(1991). Walter M., et al. J. Autoimmun. 8:931-945(1995). Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	319996655
NCBI GeneID	2023
NCBI Accession #	NP_001188412.1; NP_001419.1
NCBI GenBank Nucleotide #	NM_001201483.1
UniProt Accession #	P06733; P22712; Q16704; Q4TUS4; Q53FT9; Q53HR3; Q658M5; Q6GMP2; Q71V37; Q7Z3V6; Q8WU71; B2RD59
Molecular Weight	47169
NCBI Official Full Name	c-myc promoter-binding protein-1 isoform MBP-1
NCBI Official Synonym Full Names	enolase 1, (alpha)
NCBI Official Symbol	ENO1
NCBI Official Synonym Symbols	NNE; PPH; MPB1; ENO1L1
NCBI Protein Information	alpha-enolase; c-myc promoter-binding protein-1
UniProt Protein Name	Alpha-enolase
UniProt Gene Name	**ENO1**
UniProt Synonym Gene Names	ENO1L1; MBPB1; MPB1; NNE
UniProt Entry Name	ENOA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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