

Recombinant human ENO1 protein (Active) ab89248

1 References 2 图像

描述	
产品名称	重组人ENO1蛋白(Active)
生物活性	<p>Specific activity is > 20,000pmol/min/ug.</p> <p>Obtained by measuring the decrease of NAD in absorbance at 340nm resulting from NADH at pH 6.5 at 37C.</p>
纯度	<p>> 95 % SDS-PAGE.</p> <p>ab89248 is purified using conventional chromatography techniques.</p>
内毒素水平	< 1.000 Eu/μg
表达系统	Escherichia coli
Accession	<u>P06733</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	<div>MSILKIHARE IFDSRGNPTV EVDLFTSKGL FRAAVPSGAS TGIYEALELR DNDKTRYMGK GVSKAVEHIN KTIAPALVSK KLVNTEQEKI DKLMIEMDGT ENSKKFGANA ILGVSLAVCK AGAVEKGVPL YRHIADLAGN SEVILPVPAF NVIINGGSHAG NKLAMQEFMI LPVGAANFRE AMRIGAEVYH NLKNVIKEY GKDATNVGDE GGFAPNILEN KEGLELLKTA IGKAGYTDKV VIGMDVAASE FFRSGKYDLD FKSPDDPSRY ISPDQLADLY KSFIKDYPVV SIEDPFDQDD WGAWQKFTAS AGIQVVGDDL TVTNPKRIAK AVNEKSCNCL LLKVNQIGSV TESLQACKLA QANGWGMVS HRSGETEDTF IADLVVGLCT GQIKTGAPCR SERLAKYNQL LRIEEELGSK AKFAGRNFNRN PLAK</div>
预测分子量	47 kDa
氨基酸	1 to 434
额外的序列信息	NCBI: NP_001419

技术指标

Our **Abpromise guarantee** covers the use of **ab89248** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Functional Studies
	Western blot
	SDS-PAGE
形式	Liquid
补充说明	MW confirmed by MALDI-TOF.
	Endotoxin level determined by LAL method.

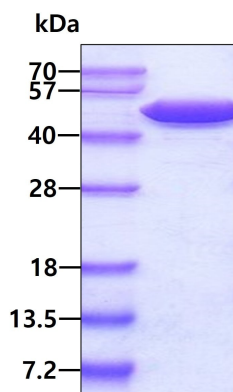
制备和贮存

稳定性和存储	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
	pH: 7.50
	Constituents: 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.012% Magnesium sulphate
	This product is an active protein and may elicit a biological response in vivo, handle with caution.

常规信息

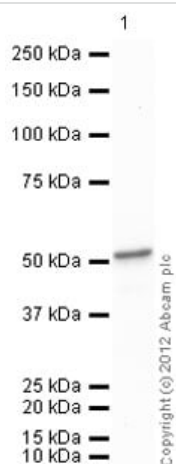
功能	Multifunctional enzyme that, as well as its role in glycolysis, plays a part in various processes such as growth control, hypoxia tolerance and allergic responses. May also function in the intravascular and pericellular fibrinolytic system due to its ability to serve as a receptor and activator of 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.
组织特异性	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.
通路	Carbohydrate degradation; glycolysis; pyruvate from D-glyceraldehyde 3-phosphate: step 4/5.
序列相似性	Belongs to the enolase family.
发展阶段	During ontogenesis, there is a transition from the alpha/alpha homodimer to the alpha/beta heterodimer in striated muscle cells, and to the alpha/gamma heterodimer in nerve cells.
翻译后修饰	ISGylated.
细胞定位	Nucleus and Cytoplasm. Cell membrane. Cytoplasm > myofibril > sarcomere > M line. Can translocate to the plasma membrane in either the homodimeric (alpha/alpha) or heterodimeric (alpha/gamma) form. ENO1 is localized to the M line.

图片



SDS-PAGE - Recombinant human ENO1 protein
(Active) (ab89248)

SDS-PAGE of ab89248 (3µg) under reducing condition and visualized by coomassie blue stain.



Western blot - Recombinant Human ENO1 protein
(ab89248)

Anti-ENO1 antibody ([ab85086](#)) at 1/1000 dilution + Recombinant human ENO1 protein (Active) (ab89248) at 0.1 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 47 kDa

Exposure time: 30 seconds

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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