Rabbit b-Enolase Polyclonal Antibody | anti-ENO3 antibody

b-Enolase Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329395	**Rabbit**	**Human, MousePredicted Reactivity: Pig (92%), Zebrafish (83%), Bovine (92%), Horse (92%), Sheep (92%), Rabbit (92%), Dog (92%), Chicken (92%), Xenopus (83%)**	**ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

b-Enolase; Polyclonal Antibody; b-Enolase Antibody; 2 phospho D glycerate hydrol yase; 2 phospho D glycerate hydrolyase; 2-phospho-D-glycerate hydro-lyase; Beta enolase; Beta-enolase; ENO3; ENOB_HUMAN; Enolase 3 (beta muscle); Enolase 3; Enolase3; GSD13; MSE; Muscle specific enolase; Muscle-specific enolase; Skeletal muscle enolase; anti-ENO3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse Predicted Reactivity: Pig (92%), Zebrafish (83%), Bovine (92%), Horse (92%), Sheep (92%), Rabbit (92%), Dog (92%), Chicken (92%), Xenopus (83%)
Clonality	Polyclonal
Isotype	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Specificity	b-Enolase Antibody detects endogenous levels of total b-Enolase. Tissue Specificity: 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.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Liquid. Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-ENO3 antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human b-Enolase (ENO-3), corresponding to a region within C-terminal amino acids.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Mammalian enolase is composed of 3 isozyme subunits, alpha, beta and gamma, which can form homodimers or heterodimers which are cell-type and development-specific. Interacts with PNKD.
Similarity	Belongs to the enolase family.
Subcellular Location	Cytoplasm. Note: Localized to the Z line. Some colocalization with CKM at M-band (By similarity).
Preparation and Storage	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

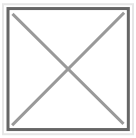
IMAGES

Application Data
At 25 degree C. Samples were then incubated with primary Ab(At 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.The nuclear counter stain is DAPI(blue).

IHC (Immunohistochemistry)
At 1/100 staining Mouse stomach tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

IHC (Immunohistochemisry)
At 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

WB (Western Blot)
Western blot analysis of extracts from 3T3, HepG2 and C2C12 cells using b-Enolase(ENO-3) Antibody



WB (Western Blot)
Western blot analysis of extracts from Mouse kidney, using b-Enolase(ENO-3) Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ENO3 antibody	Appears to have a function in striated muscle development and regeneration. Appears to have a function in striated muscle development and regeneration.

NCBI AND UNIPROT INFORMATION

NCBI GI #	425906077
NCBI GeneID	2027
UniProt Accession #	P13929; Q96AE2; B4DUI6; B4DUM6; D3DTL2; E7ENK8
Molecular Weight	434
NCBI Official Full Name	Beta-enolase
NCBI Official Synonym Full Names	enolase 3 (beta, muscle)
NCBI Official Symbol	ENO3
NCBI Official Synonym Symbols	MSE; GSD13
NCBI Protein Information	beta-enolase; muscle-specific enolase; skeletal muscle enolase; 2-phospho-D-glycerate hydrolyase
UniProt Protein Name	Beta-enolase
UniProt Gene Name	**ENO3**
UniProt Synonym Gene Names	MSE
UniProt Entry Name	ENOB_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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