

Mouse anti-Human ENO3 Monoclonal Antibody | anti-ENO3 antibody

ENO3 (Enolase 3, 2-phospho-D-glycerate Hydro-lyase, beta-Enolase, Muscle-specific Enolase, MSE, Skeletal Muscle Enolase)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24080	Mouse	Human	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

ENO3; Monoclonal Antibody; ENO3 (Enolase 3; 2-phospho-D-glycerate Hydro-lyase; beta-Enolase; Muscle-specific Enolase; MSE; Skeletal Muscle Enolase); Anti - ENO3 (Enolase 3; anti-ENO3 antibody)

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	5D1
Specificity	Recognizes human ENO3.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Sequence	KTAIQAAGYP DKVVIGMDVA ASEFYRNGKY DLDFKSPDDP ARHITGEKLG
Applicable Applications for anti-ENO3 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Suitable for use in Immunofluorescence, ELISA, Western Blot and Immunohistochemistry. Dilution: Immunofluorescence: 10ug/ml Immunohistochemistry (Formalin fixed paraffin embedded): 1.5-3ug/ml
Immunogen	Partial recombinant corresponding to aa228-277 from human ENO3 (NP_001967) with GST tag. MW of the GST tag alone is 26kD.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



WB (Western Blot)

Western blot analysis of ENO3 over-expressed 293 cell line, cotransfected with ENO3 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with ENO3 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.



Application Data

Detection limit for recombinant GST tagged ENO3 is ~0.03ng/ml as a capture antibody.

**IF (Immunofluorescence)**

Immunofluorescence of monoclonal antibody to ENO3 on HeLa cell. [antibody concentration 10ug/ml].

**IHC (Immunohistochemistry)**

Immunoperoxidase of monoclonal antibody to ENO3 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3ug/ml].

**IHC (Immunohistochemistry)**

Immunoperoxidase of monoclonal antibody to ENO3 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 1.5ug/ml].

**WB (Western Blot)**

Western Blot analysis of ENO3 expression in transfected 293T cell line by ENO3 monoclonal antibody. Lane 1: ENO3 transfected lysate (46.9kD). Lane 2: Non-transfected lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-ENO3 antibody	ENO3, is one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in skeletal muscle cells in the adult. ENO3 play a role in converting phosphoglyceric acid to phosphoenolpyruvic acid in the glycolytic pathway. Mutations in its gene can be associated with metabolic myopathies that may result from decreased stability of the enzyme.
Product Categories/Family for anti-ENO3 antibody	Antibodies ; Abs to Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	4378983
NCBI GeneID	2027
UniProt Accession #	P13929 ; Q96AE2 ; B4DUI6 ; B4DUM6 ; D3DTL2 ; E7ENK8
Molecular Weight	46,987 Da
NCBI Official Full Name	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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Online datasheet: <https://stage.aaabiotech.com/monoclonal/eno3-antibody-clone-5d1-western-blot-immunohistochemistry-immunofluorescence-elisa/24080>