

ENO3 / Enolase 3 Antibody (clone 5D1)
Mouse Monoclonal Antibody
Catalog # ALS14046**Specification**

ENO3 / Enolase 3 Antibody (clone 5D1) - Product Information

Application	WB, IHC-P, IF, E
Primary Accession	P13929
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	47kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A

ENO3 / Enolase 3 Antibody (clone 5D1) - Additional Information**Gene ID** 2027**Other Names**

Beta-enolase, 4.2.1.11, 2-phospho-D-glycerate hydro-lyase, Enolase 3, Muscle-specific enolase, MSE, Skeletal muscle enolase, ENO3

Target/Specificity

Human ENO3

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

ENO3 / Enolase 3 Antibody (clone 5D1) is for research use only and not for use in diagnostic or therapeutic procedures.

ENO3 / Enolase 3 Antibody (clone 5D1) - Protein Information**Name** ENO3**Function**

Glycolytic enzyme that catalyzes the conversion of 2- phosphoglycerate to phosphoenolpyruvate. Appears to have a function in striated muscle development and regeneration.

Cellular Location

Cytoplasm. Note=Localized to the Z line. Some colocalization with CKM at M-band (By similarity).

Tissue Location

The alpha/alpha homodimer is expressed in embryo and in most adult tissues. The alpha/beta

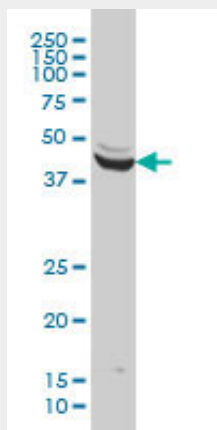
heterodimer and the beta/beta homodimer are found in striated muscle, and the alpha/gamma heterodimer and the gamma/gamma homodimer in neurons

ENO3 / Enolase 3 Antibody (clone 5D1) - Protocols

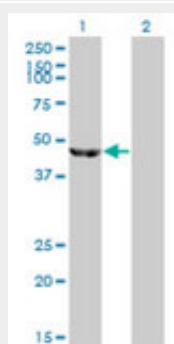
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

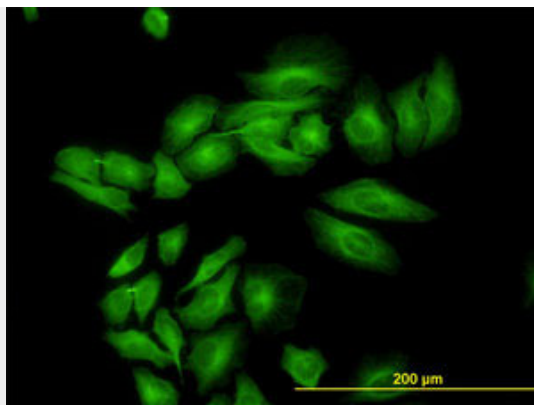
ENO3 / Enolase 3 Antibody (clone 5D1) - Images



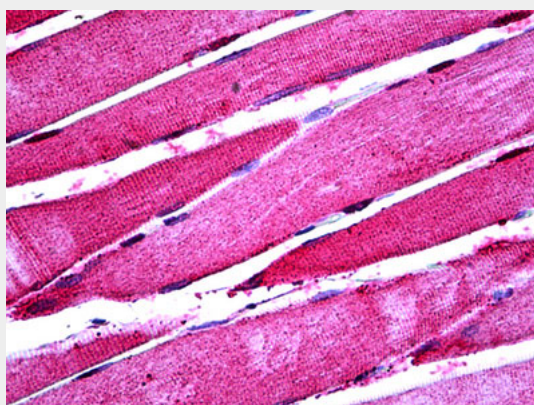
ENO3 monoclonal antibody (M01), clone 5D1 Western blot of ENO3 expression in HeLa.



Western blot of ENO3 expression in transfected 293T cell line by ENO3 monoclonal antibody (M01),...



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



Anti-ENO3 antibody IHC of human skeletal muscle.

ENO3 / Enolase 3 Antibody (clone 5D1) - Background

Appears to have a function in striated muscle development and regeneration.

ENO3 / Enolase 3 Antibody (clone 5D1) - References

- Peshavaria M.,et al.Nucleic Acids Res. 17:8862-8862(1989).
Cali L.,et al.Nucleic Acids Res. 18:1893-1893(1990).
Peshavaria M.,et al.Biochem. J. 275:427-433(1991).
Giallongo A.,et al.Eur. J. Biochem. 214:367-374(1993).
Ota T.,et al.Nat. Genet. 36:40-45(2004).