

Product Datasheet

Enolase 1 Antibody (253) - BSA Free NBP2-25147

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-25147

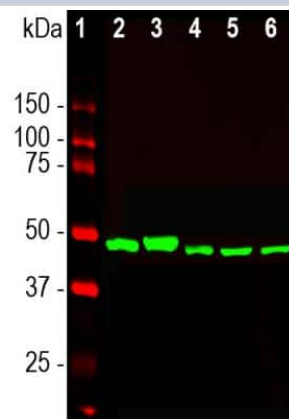
Enolase 1 Antibody (253) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	253
Preservative	0.035% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	47 kDa
Product Description	
Host	Mouse
Gene ID	2023
Gene Symbol	ENO1
Species	Human, Mouse, Rat, Porcine, Bovine, Equine
Immunogen	The N-terminal 12 amino acids of bovine Enolase 1, which was synthesized on a 8-amine lysine core. [UniProt# Q9XSJ4]
Product Application Details	
Applications	Western Blot, Simple Western, Immunoassay, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:5000 - 1:10000, Simple Western 1:500, Immunohistochemistry 1:2000 - 1:5000, Immunocytochemistry/ Immunofluorescence 1:2000 - 1:5000, Immunoassay
Application Notes	<p>This Enolase 1 (253) antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot, where a band can be seen at approx. 47 kDa. Use in Immunoassay reported in scientific literature (PMID: 31035430).</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in HeLa lysate 0.5 mg/mL, separated by Size, antibody dilution of 1:500, apparent MW was 51 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.</p>

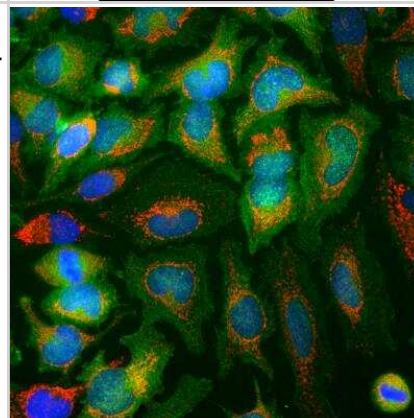


Images

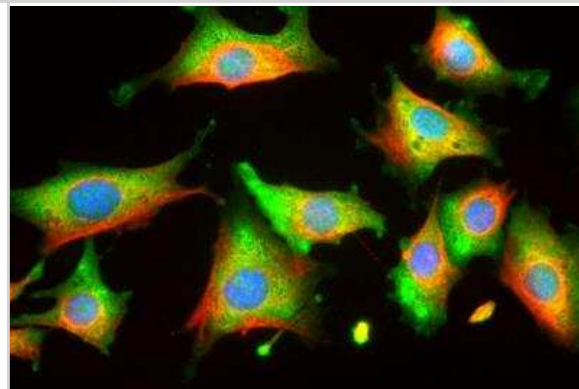
Western Blot: Enolase 1 Antibody (253) [NBP2-25147] - Analysis of different cell lysates using mouse mAb to alpha-enolase, NBP2-25147, dilution 1:10,000 in green: [1] protein standard (red), [2] NIH-3T3 I, [3] C6, [4] HEK293, [5] HeLa, and [6] SH-SY5Y cells. A strong single band at 47kDa corresponds to the alpha-enolase protein.



Immunocytochemistry/Immunofluorescence: Enolase 1 Antibody (253) [NBP2-25147] - Analysis of HeLa cells stained with mouse mAb to alpha-enolase, NBP2-25147, dilution 1:500 in green and costained with chicken pAb to HSP60, dilution 1:5,000, in red. The blue is DAPI staining of nuclear DNA. NBP2-25147 antibody reveals strong cytoplasmic staining.



Immunocytochemistry/Immunofluorescence: Enolase 1 Antibody (253) [NBP2-25147] - Rat 3T3 cells stained with NBP2-25147 (green) and counterstained with chicken polyclonal antibody to Vimentin NB300-223 (red) and DNA (blue). NBP2-25147 reveals strong cytoplasmic staining, while the Vimentin antibody reveals cytoplasmic intermediate filaments.



Simple Western: Enolase 1 Antibody (253) [NBP2-25147] - Simple Western lane view shows a specific band for Enolase 1 in 0.5 mg/mL of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Publications

Chen C, Ahmad MJ, Ye T et al. Cathepsin B Regulates Mice Granulosa Cells' Apoptosis and Proliferation In Vitro International Journal of Molecular Sciences 2021-10-31 [PMID: 34769258]

Guo J, Yang WL, Pak D, et al. Osteopontin, Macrophage Migration Inhibitory Factor and Anti-Interleukin-8 Autoantibodies Complement CA125 for Detection of Early Stage Ovarian Cancer Cancers (Basel) 2019-04-28 [PMID: 31035430] (IA, Human)

Ye Y, Kuhn C, Kusters M et al. Anti α -enolase antibody is a novel autoimmune biomarker for unexplained recurrent miscarriages EBioMedicine 2019-02-28 [PMID: 30827932] (WB, Human)





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Products Related to NBP2-25147

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-30262	Recombinant Human Enolase 1 Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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