10320 Camino Santa Fe, Suite G
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NGB Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant NGB.
Catalog # AT3044a

Specification

NGB Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	Q9NPG2
Other Accession	BC032509
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**16933**

NGB Antibody (monoclonal) (M01) - Additional Information

Gene ID 58157

Other Names
Neuroglobin, NGB

Target/Specificity
NGB (AAH32509, 1 a.a. ~ 151 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
NGB Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

NGB Antibody (monoclonal) (M01) - Protocols

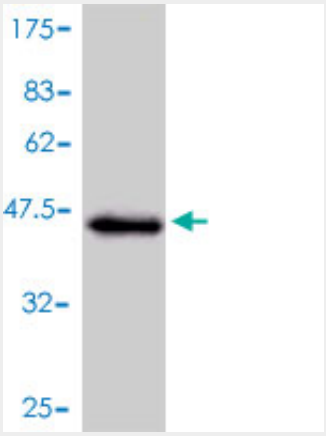
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

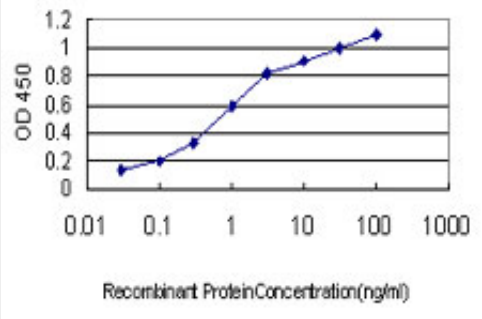
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- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NGB Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (42.35 KDa) .



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

NGB Antibody (monoclonal) (M01) - Background

This gene encodes an oxygen-binding protein that is distantly related to members of the globin gene family. It is highly conserved among other vertebrates. It is expressed in the central and peripheral nervous system where it may be involved in increasing oxygen availability and providing protection under hypoxic/ischemic conditions.

NGB Antibody (monoclonal) (M01) - References

Neuroglobin genetic polymorphisms and their relationship to functional outcomes after traumatic brain injury. Chuang PY, et al. J Neurotrauma, 2010 Jun. PMID 20345238.Spectroscopic study on acid-induced unfolding and refolding of apo-neuroglobin. Mu J, et al. Spectrochim Acta A Mol Biomol Spectrosc, 2010 May. PMID 20227336.Neuroglobin protects nerve cells from apoptosis by inhibiting the intrinsic pathway of cell death. Raychaudhuri S, et al. Apoptosis, 2010 Apr. PMID 20091232.Neuroglobin expression in ischemic stroke. Jin K, et al. Stroke, 2010 Mar. PMID 20075359.Unusual stability of human neuroglobin at low pH--molecular mechanisms and biological significance. Picotti P, et al. FEBS J, 2009 Dec. PMID 19860834.