

NGB Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a full length recombinant NGB.****Catalog # AT3045a****Specification**

NGB Antibody (monoclonal) (M02) - Product Information

Application	WB, E
Primary Accession	O9NPG2
Other Accession	BC032509
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	16933

NGB Antibody (monoclonal) (M02) - 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

E~~N/A

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) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

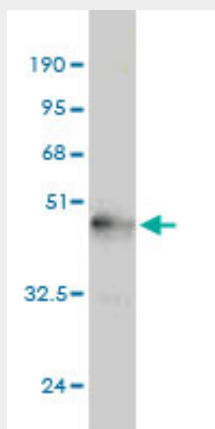
NGB Antibody (monoclonal) (M02) - Protocols

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

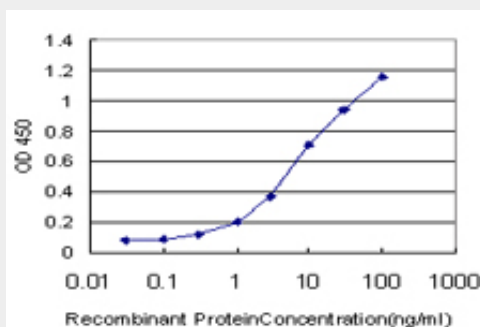
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NGB Antibody (monoclonal) (M02) - Images



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



Detection limit for recombinant GST tagged NGB is approximately 0.1ng/ml as a capture antibody.

NGB Antibody (monoclonal) (M02) - 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) (M02) - 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.