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NGB Antibody (monoclonal) (M01)

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

Product Information

Application	WB, E
Primary Accession	Q9NPG2
Other Accession	BC032509
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	2B5-A7
Calculated MW	16933

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

Background

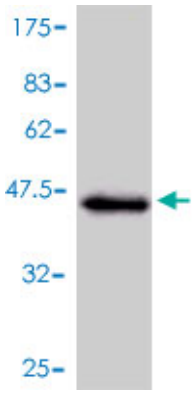
This gene encodes an oxygen-binding protein that is distantly related to members of the globin gene family. It is highly conserved among other vertebrates. It is expressed in the central and peripheral nervous system where it may be involved in increasing oxygen availability and providing protection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

References

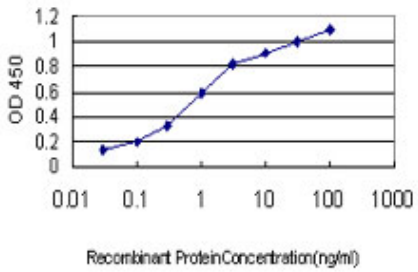
Neuroglobin genetic polymorphisms and their relationship to functional outcomes after traumatic brain injury. Chuang PY, et al. J Neurotrauma, 2010 Jun. PMID 20345238.Spectroscopic study on acid-induced unfolding and refolding of apo-neuroglobin. Mu J, et al. Spectrochim Acta A Mol Biomol Spectrosc, 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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.