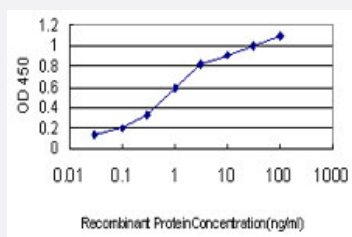


NGB monoclonal antibody (M01), clone 2B5-A7

Catalog # H00058157-M01

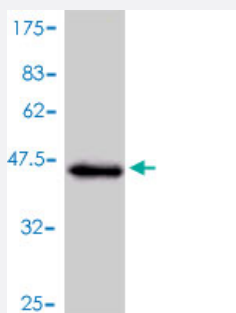
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (42.35 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant NGB.

Immunogen

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

Sequence

MERPEPELIRQSWRAVSRSP LGHGT VLFARLFALEPDLLPLFQYNCRQFSSPEDCLSSPEFLDHI
RKV MLVIDAAVTNVEDLSSLEEYLA SLGRKHRAVG VKLSSFSTVGESLLYMLEKCLGPAFTPATR
AAWSQLYGAVVQAMSRGWDGE

Host

Mouse

Reactivity

Human

Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (42.35 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — NGB

Entrez GeneID	58157
GeneBank Accession#	BC032509
Protein Accession#	AAH32509
Gene Name	NGB
Gene Alias	-
Gene Description	neuroglobin
Omim ID	605304
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]

Other Designations

-

Publication Reference

- [Polydatin protects neuronal cells from hydrogen peroxide damage by activating CREB/Ngb signaling.](#)

Huihui Zhang, Yadan Li, Yu Xun, Hui Liu, Chenxi Wei, Hao Wang, Xiaoping Yang, Shishan Yuan, Ning Liu, Shuanglin Xiang.

Molecular Medicine Reports 2022 Jan; 25(1):9.

Application: WB-Ce, WB-Tr, Mouse, N2a cells

Disease

- [Atherosclerosis](#)
- [Brain Injuries](#)
- [Brain Ischemia](#)
- [Stroke](#)