

DATASHEET

Neuroglobin Mouse Monoclonal Antibody(C2873)

CAT. NO. AMA02485

KEY FEATURES

Target	Neuroglobin	Source / Host	Mouse
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Monomeric globin with a bis-histidyl six-coordinate heme-iron atom through which it can bind dioxygen, carbon monoxide and nitric oxide . Could help transport oxygen and increase its availability to the metabolically active neuronal tissues, though its low quantity in tissues as well as its high affinity for dioxygen, which may limit its oxygen-releasing ability, argue against it . The ferrous/deoxygenated form exhibits a nitrite reductase activity and it could produce nitric oxide which in turn inhibits cellular respiration in response to hypoxia .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
FC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to Neuroglobin
Specificity	Recognizes endogenous levels of Neuroglobin protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Neuroglobin expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 17 kD; Observed: 42 kD kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Neuroglobin
Gene Symbol	NGB
Entrez Gene	58157(Human); 64242(Mouse); 85382(Rat)
SwissProt	Q9NPG2(Human); Q9ER97(Mouse); Q99JA8(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

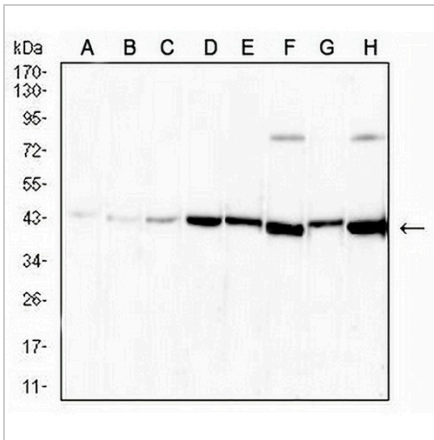
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

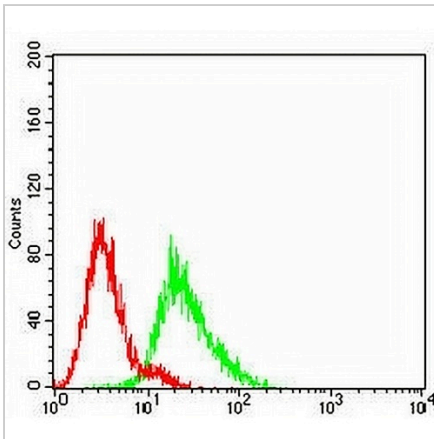
Neuroglobin Mouse Monoclonal Antibody(C2873)

CAT. NO. AMA02485

DATA



Western blot analysis of Neuroglobin expression in rat liver (A), mouse liver (B), mouse brain (C), A549 (D), HUVEC (E), Hela (F), U251 (G), HepG2 (H) whole cell lysates. (Predicted band size: 17 kD; Observed band size: 42 kD)



Flow cytometric analysis of HT29 cells using Anti-Neuroglobin Antibody (green) and negative control (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.