

Product Datasheet

Cytoglobin Antibody (1A1) - Azide and BSA Free H00114757-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 2/21/2025 v.20.1

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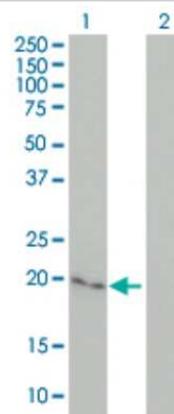
H00114757-M02

Cytoglobin Antibody (1A1) - Azide and BSA Free

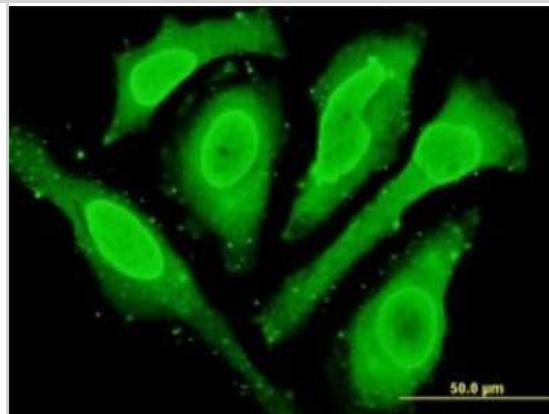
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1A1
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	114757
Gene Symbol	CYGB
Species	Human, Rat
Specificity/Sensitivity	CYGB - cytoglobin
Immunogen	CYGB (AAH29798, 1 a.a. ~ 190 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MEKVPGEMEIERRERSEELSEAERKAVQAMWARLYASCEDVGVAILVRRFFVNF PSAKQYFSQFKHMEDPLEMERSPQLRKHACRVMGALNTVVENLHDPDKVSSV LALVGKAHALKHKVEPVYFKILSGVILEVVAEEFASDFPPETQRAWAKLRGLIYS HVTAAAYKEVGWVQQVNPATPPATLPSSGP
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Antibody reactive against transfected lysate and recombinant protein for Western Blot. Has also been used for immunohistochemistry (paraffin), immunofluorescence, and ELISA.

Images

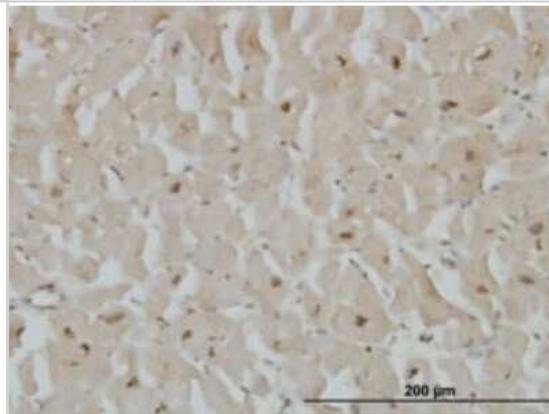
Western Blot: Cytoglobin Antibody (1A1) [H00114757-M02] - Analysis of CYGB expression in transfected 293T cell line by CYGB monoclonal antibody (M02), clone 1A1. Lane 1: CYGB transfected lysate(21 KDa). Lane 2: Non-transfected lysate.



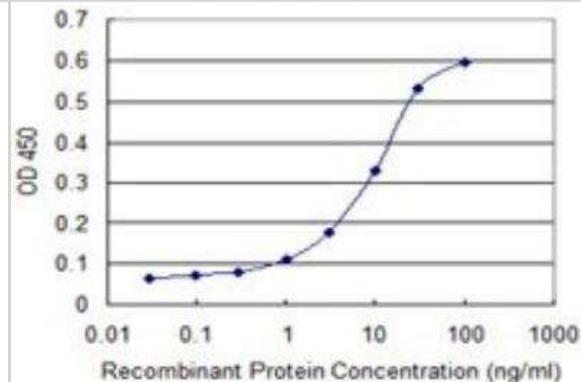
Immunocytochemistry/Immunofluorescence: Cytoglobin Antibody (1A1) [H00114757-M02] - Analysis of monoclonal antibody to CYGB on HeLa cell . Antibody concentration 10 ug/ml.



Immunohistochemistry-Paraffin: Cytoglobin Antibody (1A1) [H00114757-M02] - Analysis of monoclonal antibody to CYGB on formalin-fixed paraffin-embedded human heart. Antibody concentration 3 ug/ml.



ELISA: Cytoglobin Antibody (1A1) [H00114757-M02] - Detection limit for recombinant GST tagged CYGB is approximately 1ng/ml as a capture antibody.



Publications

Basu A, Drame A, Munoz R et al. Pathway specific gene expression profiling reveals oxidative stress genes potentially regulated by transcription co-activator LEDGF/p75 in prostate cancer cells. *Prostate*. 2011-07-27 [PMID: 21796653]

Oleksiewicz U, Liloglou T, Tasopoulou KM et al. Cytoglobin has bimodal: tumour suppressor and oncogene functions in lung cancer cell lines. *Hum Mol Genet*. 2013-04-24 [PMID: 23591990]

John R, Chand V, Chakraborty S et al. DNA damage induced activation of Cygb stabilizes p53 and mediates G1 arrest. *DNA Repair (Amst)*. 2014-09-27 [PMID: 25269893]

Powers JM. p53-mediated apoptosis, neuroglobin overexpression, globin deposits in a patient with hereditary ferritinopathy. *J Neuropathol Exp Neurol*;65(7):716-21. 2006-07-01 [PMID: 16825958]

Li RC, Lee SK, Pouranfar F et al. Hypoxia differentially regulates the expression of neuroglobin cytoglobin in rat brain. *Brain Res*;1096(1):173-9. 2006-06-22 [PMID: 16750520]





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Products Related to H00114757-M02

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-45257-0.05mg	Recombinant Human Cytoglobin His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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