

Product Datasheet

Hemoglobin Antibody - BSA Free NB110-41083

Unit Size: 1 ml

Store at 4C. Do not freeze.

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Publications: 11

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NB110-41083

Hemoglobin Antibody - BSA Free

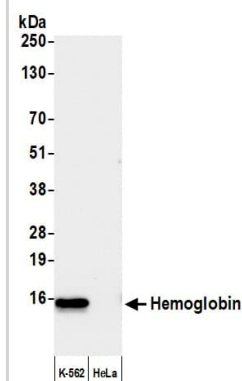
Product Information	
Unit Size	1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Description	The antibody was isolated by affinity chromatography using antigen coupled to agarose beads. Immunoglobulin concentration was determined using Beer's Law where 1mg/mL IgG has an A280 of 1.4.
Host	Goat
Gene Symbol	HBA1
Species	Human
Specificity/Sensitivity	This antibody reacts specifically with human hemoglobin A1, A2, F and S. There is no reaction with human serum proteins.
Immunogen	Purified human hemoglobin A1 of adult red blood cell origin

Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:1000 - 1:30000, ELISA 1:1000 - 1:30000
Application Notes	ELISA for coating plates 1:100 - 1:500.

Images

Whole cell lysate (50 µg) from K-562, and HeLa cells prepared using NETN lysis buffer. Antibody: Hemoglobin Antibody - BSA Free (NB110-41083) used for WB at 1:1000. Secondary: HRP-conjugated Donkey anti-Goat IgG Heavy and Light Chain Cross-Adsorbed Antibody. Detection: Chemiluminescence with an exposure time of 10 seconds.



Publications

Bethany F The role and mechanism of hemoglobin variation in Plasmodium falciparum sexual differentiation Thesis 2023-01-01 (Western Blot)

Mehta S, Buyanbat A, Kai Y et al. Temporal resolution of gene derepression and proteome changes upon PROTAC-mediated degradation of BCL11A protein in erythroid cells Cell chemical biology 2022-07-12 [PMID: 35839780]

Newton DA, Rao KM, Dluhy RA et al. Hemoglobin is expressed by alveolar epithelial cells. J Biol Chem 2006-03-01 [PMID: 16407281]

Chen HH, Wu CH, Tsai ML et al. Detection of Total and A1c-Glycosylated Hemoglobin in Human Whole Blood Using Sandwich Immunoassays on Polydimethylsiloxane-Based Antibody Microarrays Anal Chem 2012-09-26 [PMID: 22967096] (Chemotaxis, Human)

Kapralov et al. J.Biol.Chem 284 (44):30395-30407. 2009-01-01 [PMID: 19740759]

Ma et al. PNAS 105 (35):13087-13092. 2008-01-01 [PMID: 18755895]

Suber et al. Anal.Biochem 333 (2):351-357. 2004-01-01 [PMID: 15450812]

Dagher et al. Diabetes 53 (9):2404-2411. 2004-01-01 [PMID: 15331552]

Wang et al. PNAS 101 (31):11477-11482. 2004-01-01 [PMID: 15258287]

Jerse et al. Infect.Immun. 70 2549-2558. 2002-01-01 [PMID: 11953395]

Chen CJ, Mclean D, Thomas CE, Anderson JE, Sparling PF. Point mutations in HpuB enable gonococcal HpuA deletion mutants to grow on hemoglobin. J Bacteriol 184(2):420-6. 2002-01-01 [PMID: 11751818]





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Products Related to NB110-41083

NBL1-11454	Hemoglobin A1 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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