

Product Datasheet

Fetal Hemoglobin Antibody - BSA Free NB110-41084

Unit Size: 1 ml

Store at 4C. Do not freeze.

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NB110-41084

Fetal 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	
Host	Sheep
Gene ID	3047
Gene Symbol	HBG1
Species	Human
Specificity/Sensitivity	By immunoelectrophoresis and ELISA this antibody reacts specifically with human hemoglobin F. No antibody was detected against hemoglobin A1, A2, S or human serum proteins.
Immunogen	Purified human hemoglobin F of fetal cord 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.



Publications

Scott A Peslak, Selami Demirci, Vemika Chandra, Byoung Ryu, Saurabh K Bhardwaj, Jing Jiang, Jeremy W Rupon, Robert E Throm, Naoya Uchida, Alexis Leonard, Khaled Essawi, Aylin C Bonifacino, Allen E Krouse, Nathaniel S Linde, Robert E Donahue, Francesca Ferrara, Matthew Wielgosz, Osheiza Abdulmalik, Nicole Hamagami, Paula Germino-Watnick, Anh Le, Rebecca Chu, Malikiya Hinds, Mitchell J Weiss, Wei Tong, John F Tisdale, Gerd A Blobel Forced enhancer-promoter rewiring to alter gene expression in animal models. *Molecular therapy. Nucleic acids* 2023 -03-14 [PMID: 36852088]

Li C, Shin H, Bhavanasi D et al. Expansion of human hematopoietic stem cells by inhibiting translation bioRxiv 2023-11-30 [PMID: 38077058]

Huang P, Peslak SA, Ren R et al. HIC2 controls developmental hemoglobin switching by repressing BCL11A transcription *Nature genetics* 2022-09-01 [PMID: 35941187] (FLOW, Human, Mouse)

Qin K, Huang P, Feng R et al. Dual function NFI factors control fetal hemoglobin silencing in adult erythroid cells *Nature genetics* 2022-05-26 [PMID: 35618846] (FLOW, Human)

Khandros E, Huang P, Peslak SA, Sharma M Understanding Heterogeneity of Fetal Hemoglobin Induction through Comparative Analysis of F-and A-erythroblasts *Blood* 2020-01-01 [PMID: 32268371]

Huang P, Peslak SA, Lan X et al. HRI-regulated transcription factor ATF4 activates BCL11A transcription to silence fetal hemoglobin expression *Blood* 2020-04-16 [PMID: 32299090]

Makino T, Haruyama M, Katayama K et al. Phenotypic-screening generates active novel fetal globin-inducers that downregulate Bcl11a in a monkey model *Biochem. Pharmacol.* 2019-11-18 [PMID: 31751536] (ELISA, Human)

Zhang X, Luo YM, Ma YN et al. In vitro maturation of erythroid progenitors from human umbilical cord blood and patterns of globin gene expression: serum from different developmental stage plays important roles in liquid culture. *Biochem Biophys Res Commun* 2005-10-01 [PMID: 16125140]

Umeda K, Heike T, Yoshimoto M et al. Development of primitive and definitive hematopoiesis from nonhuman primate embryonic stem cells in vitro. *Development* 2004-04-01 [PMID: 15084470]





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Products Related to NB110-41084

NBL1-11461	HBG1/2 Overexpression Lysate
HAF016	Donkey anti-Sheep IgG Secondary Antibody [HRP]
NL010	Donkey anti-Sheep IgG Secondary Antibody [NL557]
NBP1-97055-10mg	Sheep 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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