

# Product Datasheet

## FLVCR Antibody NB100-1481

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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**NB100-1481**

## FLVCR Antibody

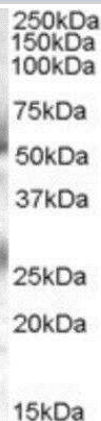
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	60 kDa

Product Description	
Description	Novus Biologicals Goat FLVCR Antibody (NB100-1481) is a polyclonal antibody validated for use in WB and ELISA. Anti-FLVCR Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	28982
Gene Symbol	FLVCR1
Species	Human
Immunogen	Peptide with sequence C-KTVMLSKQSESAI corresponding to C-Terminus according to NP_054772.1.

Product Application Details	
Applications	Western Blot, Peptide ELISA
Recommended Dilutions	Western Blot 0.1 - 0.3 ug/ml, Peptide ELISA Detection limit 1:128000
Application Notes	WB: Approx. 55 kDa band observed in human bone marrow lysates (calculated MW of 59.9 kDa band according to NP_054772.1). An additional band of unknown identity was also consistently observed at 26 kDa. This band was successfully blocked by incubation with the immunizing peptide. An anonymous customer has reported successful usage on cell line K562.

**Images**

Western Blot: FLVCR Antibody [NB100-1481] - (0.1ug/ml) staining of Human Bone Marrow lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



## Publications

Jayaram D, Sivaram P, Biswas P et al. Heme allocation in eukaryotic cells relies on mitochondrial heme export through FLVCR1b to cytosolic GAPDH Nature Communications 2025-08-26 [PMID: 40858607]

Quigley JG, Yang Z, Worthington MT et al. Identification of a human heme exporter that is essential for erythropoiesis. Cell 2004-09-17 [PMID: 15369674]

Chiabrando D, Marro S, Mercurio S et al. The mitochondrial heme exporter FLVCR1b mediates erythroid differentiation. J Clin Invest 2012-12-01 [PMID: 23187127] (WB, Human)





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### Products Related to NB100-1481

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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

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### 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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