

Goat Anti-FLVCR Antibody
Peptide-affinity purified goat antibody
Catalog # AF1423a**Specification**

Goat Anti-FLVCR Antibody - Product Information

Application	WB
Primary Accession	Q9Y5Y0
Other Accession	NP_054772 , 28982
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	59863

Goat Anti-FLVCR Antibody - Additional Information**Gene ID** 28982**Other Names**

Feline leukemia virus subgroup C receptor-related protein 1, Feline leukemia virus subgroup C receptor, hFLVCR, FLVCR1, FLVCR

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-FLVCR Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-FLVCR Antibody - Protein Information**Name** FLVCR1 {ECO:0000303|PubMed:16439531}**Function**

[Isoform 1]: Heme b transporter that mediates heme efflux from the cytoplasm to the extracellular compartment. Heme export depends on the presence of HPX and is required to maintain intracellular free heme balance, protecting cells from heme toxicity. Heme export provides protection from heme or ferrous iron toxicities in liver, brain, sensory neurons and during erythropoiesis, a process in which heme synthesis intensifies. Possibly export coproporphyrin and protoporphyrin IX, which are both intermediate products in the heme biosynthetic pathway. Does

not export bilirubin. The molecular mechanism of heme transport, whether electrogenic, electroneutral or coupled to other ions, remains to be elucidated.

Cellular Location

[Isoform 1]: Cell membrane; Multi-pass membrane protein

Tissue Location

Found all hematopoietic tissues including peripheral blood lymphocytes. Some expression is found in pancreas and kidney.

Goat Anti-FLVCR Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-FLVCR Antibody - Images



AF1423a (0.1 µg/ml) staining of Human Bone Marrow lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-FLVCR Antibody - References

Enhanced alternative splicing of the FLVCR1 gene in Diamond Blackfan anemia disrupts FLVCR1 expression and function that are critical for erythropoiesis. Rey MA, et al. Haematologica, 2008 Nov. PMID 18815190.

Comprehensive mapping of receptor-functioning domains in feline leukemia virus subgroup C receptor FLVCR1. Brown JK, et al. J Virol, 2006 Feb. PMID 16439531.

Genomic annotation of 15,809 ESTs identified from pooled early gestation human eyes. Choy KW, et al. Physiol Genomics, 2006 Mar 13. PMID 16368877.

Investigation of a putative role for FLVCR, a cytoplasmic heme exporter, in Diamond-Blackfan anemia. Quigley JG, et al. Blood Cells Mol Dis, 2005 Sep-Oct. PMID 15996880.

The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.