

Product datasheet

Anti-FLVCR1 antibody ab26075

[1 References](#) [1 Image](#)

Overview

Product name	Anti-FLVCR1 antibody
Description	Goat polyclonal to FLVCR1
Host species	Goat
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human FLVCR1 aa 543-555 (C terminal). The exact sequence is proprietary. Sequence: KTVMLSKQSESAI Database link: Q9Y5Y0 Run BLAST with Run BLAST with

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	This antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal

Isotype IgG

Applications

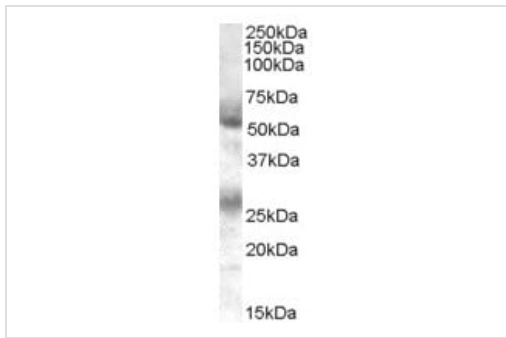
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab26075 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 55,26 kDa (predicted molecular weight: 60 kDa).

Target

Function	Heme transporter that exports cytoplasmic heme. It can also export coproporphyrin and protoporphyrin IX, which are both intermediate products in the heme biosynthetic pathway. Does not export bilirubin. Heme export depends on the presence of HPX and may be required to protect developing erythroid cells from heme toxicity. Heme export also provides protection from heme or ferrous iron toxicities in liver and brain. Causes susceptibility to FeLV-C in vitro.
Tissue specificity	Found all hematopoietic tissues including peripheral blood lymphocytes. Some expression is found in pancreas and kidney.
Involvement in disease	Defects in FLVCR1 are the cause of posterior column ataxia with retinitis pigmentosa (PCARP) [MIM:609033]. A neurodegenerative syndrome beginning in infancy with areflexia and retinitis pigmentosa. Nyctalopia (night blindness) and peripheral visual field loss are usually evident during late childhood or teenage years, with subsequent progressive constriction of the visual fields and loss of central retinal function over time. A sensory ataxia caused by degeneration of the posterior columns of the spinal cord results in a loss of proprioceptive sensation that is clinically evident in the second decade of life and gradually progresses. Scoliosis, camptodactyly, achalasia, gastrointestinal dysmotility, and a sensory peripheral neuropathy are variable features of the disease. Affected individuals have no clinical or radiological evidence of cerebral or cerebellar involvement. Note=Defective neuronal heme transmembrane export due to FLVCR1 mutations may abrogate the neuroprotective effects of neuroglobin and initiate an apoptotic cascade that results in the selective degeneration of photoreceptors in the neurosensory retina and sensory neurons in the posterior spinal cord.
Sequence similarities	Belongs to the major facilitator superfamily. Feline leukemia virus subgroup C receptor (TC 2.A.1.28.1) family.
Developmental stage	Down-regulated in haemopoietic progenitor cells undergoing differentiation and hemoglobinization. Abundant in fetal liver.
Cellular localization	Cell membrane.

Images



Western blot - Anti-FLVCR1 antibody (ab26075)

Anti-FLVCR1 antibody (ab26075) at 0.1 µg/ml + Human bone marrow tissue lysate (in RIPA buffer) at 35 µg

Predicted band size: 60 kDa

Observed band size: 55 kDa

Additional bands at: 26 kDa (possible isoform)

Primary incubation was 1 hour. Detected by chemiluminescence.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors