

ABCA5 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2777a**Specification**

ABCA5 Antibody (internal region) - Product Information

Application	E
Primary Accession	Q8WWZ7
Other Accession	NP_758424.1 , 23461
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	186508

ABCA5 Antibody (internal region) - Additional Information**Gene ID** 23461**Other Names**

ATP-binding cassette sub-family A member 5, ABCA5, KIAA1888

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 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

ABCA5 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

ABCA5 Antibody (internal region) - Protein Information**Name** ABCA5 ([HGNC:35](#))**Synonyms** KIAA1888**Function**

Cholesterol efflux transporter in macrophages that is responsible for APOAI/high-density lipoproteins (HDL) formation at the plasma membrane under high cholesterol levels and participates in reverse cholesterol transport (PubMed:25125465). May play a role in the processing of autolysosomes (By similarity).

Cellular Location

Golgi apparatus membrane {ECO:0000250|UniProtKB:Q8CF82}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q8CF82}. Lysosome membrane {ECO:0000250|UniProtKB:Q8K448}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q8K448}. Late endosome membrane {ECO:0000250|UniProtKB:Q8K448}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q8K448}. Cell membrane {ECO:0000250|UniProtKB:Q8K448}.
Note=Localized at cell membrane under high cholesterol levels.
{ECO:0000250|UniProtKB:Q8K448}

Tissue Location

Ubiquitously expressed. Highly expressed in testis, skeletal muscle, kidney, liver and placenta. Expressed in both the epithelial and mesenchymal compartments, present within the outer root sheath (ORS) of the hair follicle as well as dermal sheath (PubMed:24831815). Expressed in multiple regions of the brain, including the hippocampus, superior frontal and inferior temporal cortices (PubMed:25125465). Strongly expressed in neurons and moderately in microglia, with only weak expression in astrocytes and oligodendrocytes (PubMed:25125465).
{ECO:0000269|PubMed:12504089, ECO:0000269|PubMed:24831815, ECO:0000269|PubMed:25125465, ECO:0000269|Ref.1}

ABCA5 Antibody (internal region) - 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](#)

ABCA5 Antibody (internal region) - Images**ABCA5 Antibody (internal region) - Background**

Reported variants represent identical protein: NP_061142.2 and NP_758424.1

ABCA5 Antibody (internal region) - References

Cloning of human and rat ABCA5/Abca5 and detection of a human splice variant. Petry F, Kotthaus A, Hirsch-Ernst KI. Biochem Biophys Res Commun. 2003 Jan 10;300(2):343-50 PMID: 12504089