

ABCA5 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50730**Specification**

ABCA5 Antibody - Product Information

Application	WB
Primary Accession	Q8WWZ7
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	187,104,99 KDa
Antigen Region	1279-1339

ABCA5 Antibody - Additional Information**Gene ID** 23461**Other Names**

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

Dilution

WB~~ 1:1000

Storage

Store at -20 °C.Stable for 12 months from date of receipt

ABCA5 Antibody - 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}

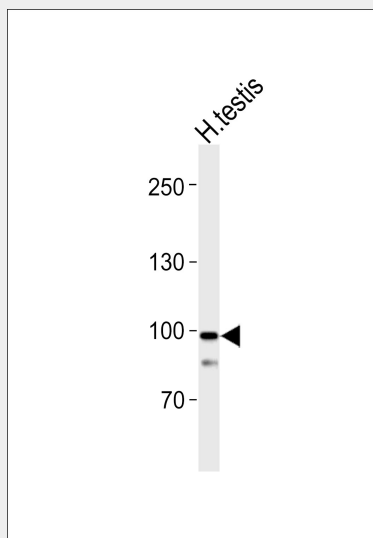
Tissue Location

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 - 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 - Images

Western blot analysis of lysate from human testis tissue lysate, using ABCA5 Antibody was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

ABCA5 Antibody - Background

May play a role in the processing of autolysosomes (By similarity).

ABCA5 Antibody - References

Arnould I., et al. GeneScreen 1:157-164(2001).
Petry F., et al. Biochem. Biophys. Res. Commun. 300:343-350(2003).

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Nagase T.,et al.DNA Res. 8:179-187(2001).