

ABCA5 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50730

Product Information

Application	WB
Primary Accession	Q8WWZ7
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	186508

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

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}

Background

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

References

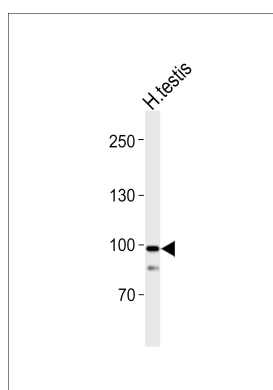
Arnould I.,et al.GeneScreen 1:157-164(2001).

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).

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.

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