10320 Camino Santa Fe, Suite G
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ABCA5 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS14675

Specification

ABCA5 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q8WWZ7
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**187kDa KDa**

ABCA5 Antibody - Additional Information

Gene ID 23461

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

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
ABCA5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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}

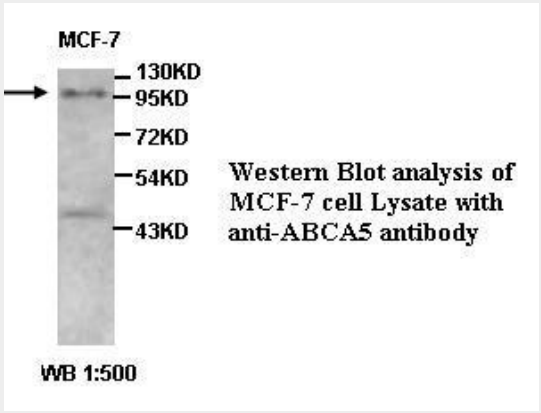
Volume
50 µl

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 Cytomety
- Cell Culture

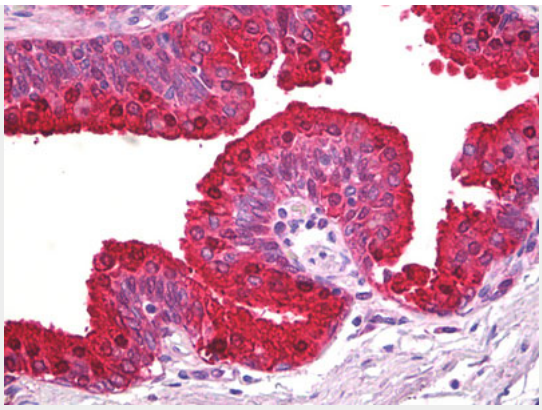
ABCA5 Antibody - Images



Western Blot analysis of MCF-7 cell Lysate with anti-ABCA5 antibody

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Anti-ABCA5 antibody IHC of human prostate.

ABCA5 Antibody - Background

May play a role in the processing of autolysosomes.

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).