

ABCA1 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS14938**Specification**

ABCA1 Antibody - Product Information

Application	IHC
Primary Accession	O95477
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	254kDa KDa

ABCA1 Antibody - Additional Information**Gene ID 19****Other Names**

ATP-binding cassette sub-family A member 1, ATP-binding cassette transporter 1, ABC-1, ATP-binding cassette 1, Cholesterol efflux regulatory protein, ABCA1, ABC1, CERP

Target/Specificity

This Polyclonal antibody is directed against human ABCA1 protein. The product was purified from serum by protein A chromatography. Expect reactivity with human ABCA1. Cross-reactivity with ABCA1 from other sources has not been determined.

Reconstitution & Storage

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

Precautions

ABCA1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ABCA1 Antibody - Protein Information

Name ABCA1 ([HGNC:29](#))

Synonyms ABC1, CERP

Function

Catalyzes the translocation of specific phospholipids from the cytoplasmic to the extracellular/luminal leaflet of membrane coupled to the hydrolysis of ATP (PubMed:24097981, PubMed:35974019). Thereby, participates in phospholipid transfer to apolipoproteins to form nascent high density lipoproteins/HDLs (PubMed:14754908). Transports preferentially phosphatidylcholine over phosphatidylserine (PubMed:24097981). May play a similar role in the efflux of intracellular cholesterol

to apolipoproteins and the formation of nascent high density lipoproteins/HDLs (PubMed:10533863, PubMed:14754908, PubMed:24097981, PubMed:35974019). Translocates phospholipids from the outer face of the plasma membrane and forces it through its gateway and annulus into an elongated hydrophobic tunnel in its extracellular domain (PubMed:35974019).

Cellular Location

Cell membrane; Multi-pass membrane protein. Endosome

Tissue Location

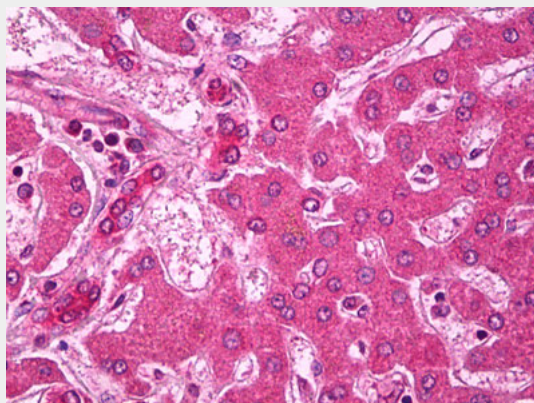
Widely expressed, but most abundant in macrophages.

ABCA1 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](#)

ABCA1 Antibody - Images



Anti-ABCA1 antibody IHC of human liver.

ABCA1 Antibody - Background

cAMP-dependent and sulfonyleurea-sensitive anion transporter. Key gatekeeper influencing intracellular cholesterol transport.

ABCA1 Antibody - References

Santamarina-Fojo S., et al. Proc. Natl. Acad. Sci. U.S.A. 97:7987-7992(2000).
Schwartz K., et al. Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.

Qiu Y.,et al.Genomics 73:66-76(2001).

Tanaka A.R.,et al.Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases.

Humphray S.J.,et al.Nature 429:369-374(2004).