



## Rabbit Anti-ABCA2 antibody

SL6332R

<b>Product Name:</b>	ABCA2
<b>Chinese Name:</b>	三磷酸腺苷结合盒Transporter2抗体
<b>Alias:</b>	ABC2; ATP binding cassette 2; ATP binding cassette sub family A member 2; ATP binding cassette transporter 2; ATP binding cassette, sub family A (ABC1), member 2; ATP binding cassette, sub family A, member 2; ATP binding cassette, sub family B (MDR/TAP), member 2;ABCA2 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Cow,Horse,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	270kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ABCA2:1901-2100/2435
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intracellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a

member of the ABC1 subfamily. Members of the ABC1 subfamily comprise the only major ABC subfamily found exclusively in multicellular eukaryotes. This protein is highly expressed in brain tissue and may play a role in macrophage lipid metabolism and neural development. Two transcript variants encoding different isoforms have been found for this gene (from EntrezGene).

**Function:**

Probable transporter, its natural substrate has not been found yet. May have a role in macrophage lipid metabolism and neural development.

**Subcellular Location:**

Endosome. Membrane. Lysosome. Membrane. Forms discrete, punctate intracellular vesicles.

**Tissue Specificity:**

Highly expressed in the brain, whereas lower levels of expression is observed in kidney and liver.

**Similarity:**

Belongs to the ABC transporter superfamily. ABCA family.  
Contains 2 ABC transporter domains.

**SWISS:**

Q9BZC7

**Gene ID:**

20

**Database links:**

[Entrez Gene: 480669](#)Dog

[Entrez Gene: 101132590](#)Gorilla

[Entrez Gene: 100067889](#)Horse

[Entrez Gene: 20](#)Human

[Entrez Gene: 11305](#)Mouse

[Entrez Gene: 79248](#)Rat

[Omim: 600047](#)Human

[SwissProt: Q9BZC7](#)Human

[SwissProt: P41234](#)Mouse

[SwissProt: Q9ESR9](#)Rat

[Unigene: 421202](#)Human

[Unigene: 2210](#)Mouse

[Unigene: 13115](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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