

ABCG4 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2803a**Specification**

ABCG4 Antibody (C-Term) - Product Information

Application	E
Primary Accession	O9H172
Other Accession	NP_071452.2 , 64137 , 192663 (mouse) , 300664 (rat)
Predicted Host	Human, Mouse, Rat, Dog
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	71896

ABCG4 Antibody (C-Term) - Additional Information**Gene ID** 64137**Other Names**

ATP-binding cassette sub-family G member 4, ABCG4, WHITE2

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ABCG4 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

ABCG4 Antibody (C-Term) - Protein Information**Name** ABCG4 ([HGNC:13884](#))**Synonyms** WHITE2**Function**

ATP-dependent transporter of the ATP-binding cassette (ABC) family that may be involved in the cellular efflux of sterols, in particular cholesterol and desmosterol (a cholesterol precursor), to

high-density lipoprotein (HDL) (PubMed:15240127, PubMed:33141061). May play an important role in the removal of amyloid-beta peptides from brain, in a process that can be antagonized by desmosterol. However it is unclear whether ABCG4 can directly transport amyloid-beta peptides or whether peptide export may be facilitated due to changes in the membrane lipid environment (By similarity). Induces apoptosis in various cells (PubMed:27228027).

Cellular Location

Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:Q91WA9}; Multi-pass membrane protein. Endosome membrane {ECO:0000250|UniProtKB:Q91WA9}; Multi-pass membrane protein

Tissue Location

Expressed specifically in the brain and the eye.

ABCG4 Antibody (C-Term) - 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](#)

ABCG4 Antibody (C-Term) - Images

ABCG4 Antibody (C-Term) - References

ABCG4: a novel human white family ABC-transporter expressed in the brain and eye. Oldfield S, Lowry C, Ruddick J, Lightman S. Biochim Biophys Acta. 2002 Aug 19;1591(1-3):175-9 PMID: 12183068