

Rabbit ABCA1 Polyclonal Antibody | anti-ABCA1 antibody

ABCA1 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281646	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

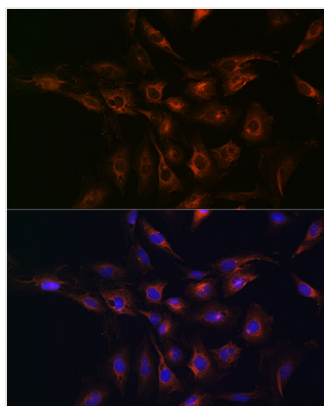
PRODUCT SYNONYMS

ABCA1; Polyclonal Antibody; ABCA1 Rabbit pAb; ABC-1; ABC1; CERP; HDLDT1; TGD; anti-ABCA1 antibody

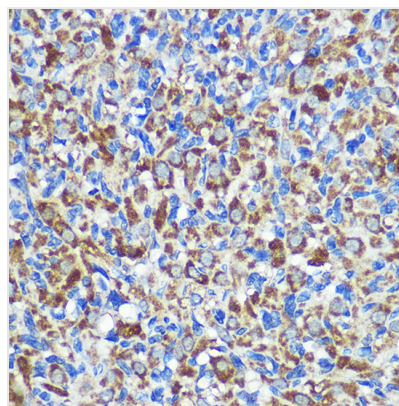
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Sequence	IQYRFFIRPR PVNAKLSPLN DEDEDVRRER QRILDGGGQN DILEIKELTK IYRRKRKPAV DRICVGIPPG ECFGLLGUNG AGKSSTFKML TGDTTVTRGD AFLNKNLSILS NIHEVHQNMG YCPQFDAITE LLTGREHVEF FALLRGVPEK EVGKVGWAI RKLGLVKYGE KYAGNYSNGN KRKLSTAMAL IGGPPVVFLD EPTTGMDPKA RRFLWNCALS VVKEGRSVVL TSHSMEECEA LCTRMAMVN G
Applicable Applications for anti-ABCA1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1870-2120 of human ABCA1 (NP_005493.2).
Cellular Location	Membrane, Multi-pass membrane protein
Positive Samples	Mouse brain, Rat brain, Rat brain
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

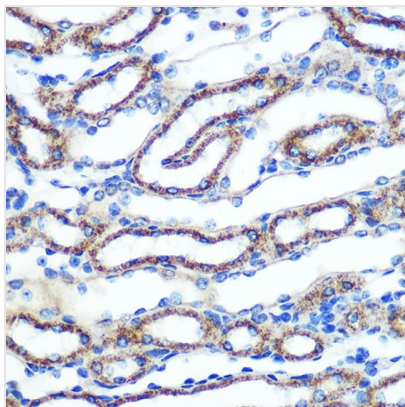
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using ABCA1 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

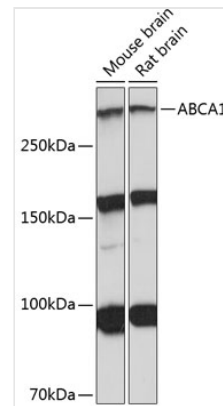

IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat ovary using ABCA1 Rabbit pAb at dilution of 1:100 (40x lens).



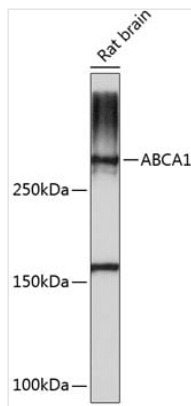
IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded mouse kidney using ABCA1 Rabbit pAb at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ABCA1 Polyclonal Antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



WB (Western Blot)

Western blot analysis of extracts of Rat brain, using ABCA1 Polyclonal Antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3min.

ADDITIONAL INFORMATION

Related Product Information for anti-ABCA1 antibody

Background: 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. With cholesterol as its substrate, this protein functions as a cholesterol efflux pump in the cellular lipid removal pathway. Mutations in this gene have been associated with Tangier's disease and familial high-density lipoprotein deficiency.

Product Categories/Family for anti-ABCA1 antibody

[Endocrine & Metabolism](#); [Lipid Metabolism](#); [Cholesterol Metabolism](#); [Research](#); [Cardiovascular](#); [Cardiovascular diseases](#); [Heart disease](#); [Research](#); [Neuroscience](#); [Cell Type Marker](#); [Astrocyte marker](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21536376
NCBI GeneID	19
NCBI Accession #	NP_005493.2
NCBI GenBank Nucleotide #	NM_005502.3
UniProt Accession #	O95477; Q5VX33; Q96S56; Q96T85; Q9NQV4; Q9UN06; Q9UN07; Q9UN08; Q9UN09

Molecular Weight	254,302 Da
NCBI Official Full Name	ATP-binding cassette sub-family A member 1
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family A (ABC1), member 1
NCBI Official Symbol	ABCA1
NCBI Official Synonym Symbols	TGD; ABC1; CERP; ABC-1; HDLDT1
NCBI Protein Information	ATP-binding cassette sub-family A member 1; membrane-bound; ATP-binding cassette transporter A1; cholesterol efflux regulatory protein
UniProt Protein Name	ATP-binding cassette sub-family A member 1
UniProt Gene Name	ABCA1
UniProt Synonym Gene Names	ABC1; CERP; ABC-1
UniProt Entry Name	ABCA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/abca1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/281646>