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# Datasheet for ABIN6136332 anti-ABCA1 antibody (AA 1870-2120)

1 Image

1 Publication



#### Overview

Quantity:	100 µL
Target:	ABCA1
Binding Specificity:	AA 1870-2120
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1870-2120 of human ABCA1 (NP_005493.2).
Immunogen: Sequence:	
	human ABCA1 (NP_005493.2). IQYRFFIRPR PVNAKLSPLN DEDEDVRRER QRILDGGGQN DILEIKELTK IYRRKRKPAV DRICVGIPPG ECFGLLGVNG AGKSSTFKML TGDTTVTRGD AFLNKNSILS NIHEVHQNMG YCPQFDAITE LLTGREHVEF FALLRGVPEK EVGKVGEWAI RKLGLVKYGE KYAGNYSGGN KRKLSTAMAL IGGPPVVFLD EPTTGMDPKA RRFLWNCALS VVKEGRSVVL TSHSMEECEA
Sequence:	human ABCA1 (NP_005493.2). IQYRFFIRPR PVNAKLSPLN DEDEDVRRER QRILDGGGQN DILEIKELTK IYRRKRKPAV DRICVGIPPG ECFGLLGVNG AGKSSTFKML TGDTTVTRGD AFLNKNSILS NIHEVHQNMG YCPQFDAITE LLTGREHVEF FALLRGVPEK EVGKVGEWAI RKLGLVKYGE KYAGNYSGGN KRKLSTAMAL IGGPPVVFLD EPTTGMDPKA RRFLWNCALS VVKEGRSVVL TSHSMEECEA LCTRMAIMVN G
Sequence: Isotype:	human ABCA1 (NP_005493.2). IQYRFFIRPR PVNAKLSPLN DEDEDVRRER QRILDGGGQN DILEIKELTK IYRRKRKPAV DRICVGIPPG ECFGLLGVNG AGKSSTFKML TGDTTVTRGD AFLNKNSILS NIHEVHQNMG YCPQFDAITE LLTGREHVEF FALLRGVPEK EVGKVGEWAI RKLGLVKYGE KYAGNYSGGN KRKLSTAMAL IGGPPVVFLD EPTTGMDPKA RRFLWNCALS VVKEGRSVVL TSHSMEECEA LCTRMAIMVN G

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Target Details	
Target:	ABCA1
Alternative Name:	ABCA1 (ABCA1 Products)
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 cholesteral 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.,ABCA1,ABC-1,ABC1,CERP,HDLDT1,TGD,Cancer,Signal Transduction,Endocrine & Metabolism,Lipid Metabolism,Cholesterol Metabolism,Neuroscience,Cell Type Marker,Cardiovascular,Heart,Lipids,Cardiovascular diseases,Heart disease,Astrocyte
	marker,ABCA1
Molecular Weight:	254 kDa
Gene ID:	19

UniProt:	095477
Pathways:	Cellular Response to Molecule of Bacterial Origin, cAMP Metabolic Process, Regulation of Lipid
	Metabolism by PPARalpha, Lipid Metabolism

### Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

# Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

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Store at -20°C. Avoid freeze / thaw cycles.

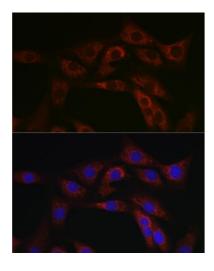
### Publications

Product cited in:

Cai, Zheng, Gu, Wang, Wang, Yang, Zhang, Wang, Fu, Wang: "Betulinic acid chemosensitizes breast cancer by triggering ER stress-mediated apoptosis by directly targeting GRP78." in: **Cell death & disease**, Vol. 9, Issue 6, pp. 636, (2018) (PubMed).

Ochigbo, Saba, Oyagbemi, Omobowale, Asenuga: "Polyphenol-rich fraction of Parquetina nigrescens mitigates dichlorvos-induced neurotoxicity and apoptosis." in: **Journal of Ayurveda and integrative medicine**, Vol. 8, Issue 1, pp. 27-36, (2017) (PubMed).

#### Images



#### Immunofluorescence

**Image 1.** Immunofluorescence analysis of NIH/3T3 cells using Rabbit pAb (ABIN6129847, ABIN6136332, ABIN6136333 and ABIN6223063) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

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