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Datasheet for ABIN7265726
anti-ABCA1 antibody (AA 1870-2120)

1 Image

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), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	ABCA1 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1870-2120 of human ABCA1 (NP_005493.2).
Sequence:	<p>IQYRFFIRPR PVNAKLSPLN DEDEDVRRER QRILDGGGQN DILEIKELTK IYRRKRKPAV DRICVGIPPG ECFGLLVNG AGKSSTFKML TGDTTVTRGD AFLNKNSILS NIHEVHQNMG YCPQFDAITE LLTGREHVEF FALLRGVPEK EVGKVGEWAI RKLGLVKYGE KYAGNYSGGN KRKLSTAMAL IGGPPVFLD EPTTGMDPKA RRFLWNCALS VVKEGRSVVL TSHSMEECEA LCTRM AIMVN G</p>
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

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 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.,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: 254kDa

Gene ID: 19

UniProt: [O95477](#)

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,IHC,1:50 - 1:200,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

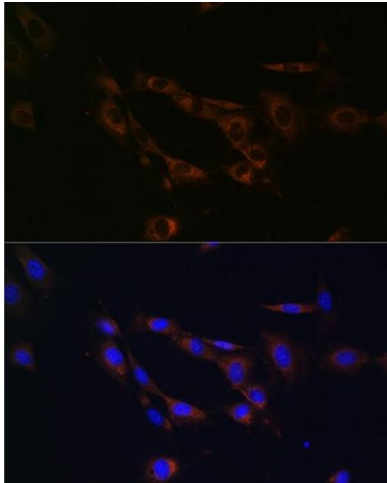
Handling

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

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

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using Rabbit pAb (ABIN7265726) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.