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Datasheet for ABIN1842089
anti-ABCA7 antibody (AA 1050-1100)

Overview

Quantity:	100 µL
Target:	ABCA7
Binding Specificity:	AA 1050-1100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCA7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide from AA 1050-1100 of human ABCA7 conjugated to blue carrier protein was used as the antigen.
Specificity:	Specific for ABCA7.
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	Whole serum

Target Details

Target:	ABCA7
Alternative Name:	ABCA7 (ABCA7 Products)

Target Details

Background: FUNCTION: Plays a role in phagocytosis by macrophages of apoptotic cells. Binds APOA1 and may function in apolipoprotein-mediated phospholipid efflux from cells. May also mediate cholesterol efflux. May regulate cellular ceramide homeostasis during keratinocytes differentiation. Subcellular location: Cell membrane, Multi-pass membrane protein. Golgi apparatus membrane, Multi-pass membrane protein. Endosome membrane, Multi-pass membrane protein. Note: Localizes to cell membrane ruffles and phagocytic cups of macrophages stimulated with C1q or apoptotic cells. Localizes to the cytoplasm of resting macrophages, probably in Golgi and endosomes. Localizes to the apical brush border of cells in the proximal tubules of kidney. Isoform 2 may localize to the endoplasmic reticulum. Tissue specificity: Expressed in leukocytes. Widely expressed. Highly expressed in myelo-lymphatic tissues including peripheral leukocytes, thymus, spleen and bone marrow. Isoform 2 is more abundant in lymph node, spleen, thymus and trachea than isoform 1 which is more strongly expressed in brain and bone marrow, ABCA Family, ATP-binding cassette sub-family A member 7, ABCA-SSN, Autoantigen SS-N, Macrophage ABC transporter

UniProt: [Q8IZY2](#)

Application Details

Application Notes: IHC, WB. A dilution of 1 : 300 to 1 : 2000 is recommended. The optimal dilution should be determined by the end user. Not yet tested in other applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in 100 µL of sterile water. Centrifuge to remove any insoluble material.

Handling Advice: Avoid freeze and thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.

Expiry Date: 12 months