

ABCA7 Antibody PE Conjugated

Catalog No: #C00995P

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Description

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|-----------------------|---|
| Product Name | ABCA7 Antibody PE Conjugated |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Purification | Purified by Protein A. |
| Applications | ICC,IF |
| Species Reactivity | Hu Ms Rt |
| Immunogen Description | KLH conjugated synthetic peptide derived from human ABCA7 |
| Conjugates | PE |
| Target Name | ABCA7 |
| Other Names | ABC transporter ABCA7; ABC transporter member 7; ABCA SSN; ABCX; ATP binding cassette sub family A ABC1 member 7; ATP binding cassette sub family A member 7; ATP binding Cassette Transporter A7; FLJ40025; Macrophage ABC transporter; ABCA7_HUMAN. |
| Excitation Emission | 480,565nm 578nm |
| Cell Localization | Extracellular |
| Concentration | 1mg/ml |
| Formulation | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |

Application Details

ICC=1:50-200 IF=1:50-200

Background

ATP-binding cassette (ABC) transporters are an evolutionarily conserved family of widely-expressed proteins that use ATP hydrolysis to catalyze the transport of various molecules across extracellular and intracellular membranes. Eukaryotic ABC transporters are largely responsible for trafficking hydrophobic compounds either within the cell as part of a metabolic process, outside the cell for transport to other organs, or for secretion from the body. The cholesterol-responsive transporter, ABCA7, maps to human chromosome 19 and mouse chromosome 10 and has been reported as a candidate regulator of ceramide transport in epidermal lipid reorganization. High expression levels of ABCA7 have been reported in myelolymphatic tissues, reticuloendothelial cells, peripheral leukocytes, thymus, spleen and bone marrow. This expression pattern of the two alternatively-spliced isoforms also indicates an involvement in lipid homeostasis in cells of the immune system, though the complete role of ABCA7 is not yet known. Full-length type I ABCA7 has shown plasma membrane localization, while the type II splicing variant has shown expression predominantly in the endoplasmic reticulum.

Note: This product is for in vitro research use only