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**Product Name: ABCA1 Mouse Monoclonal Antibody****Catalog #: AMM82629**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ICC,FC
<b>Reactivity</b>	Human,Mouse,Rat,Rabbit,Monkey
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG2a
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	IHC 1:100-1:500,ICC 1:200-1:1000,FC 1:200-1:400
<b>Molecular Weight</b>	254 kDa

**Antigen Information**

<b>Gene Name</b>	ABCA1
<b>Alternative Names</b>	TGD; ABC1; CERP; ABC-1; HDLDT1; HPALP1; HDLCQTL13
<b>Gene ID</b>	19.0
<b>SwissProt ID</b>	O95477
<b>Immunogen</b>	Purified recombinant fragment of human ABCA1 (AA: 2081-2261) expressed in E. Coli.

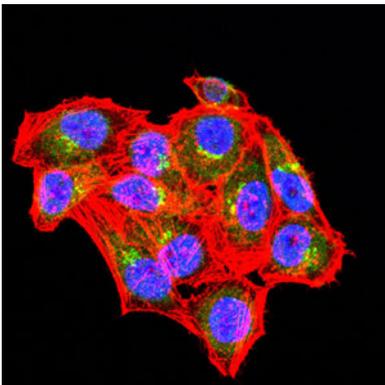
**Background**

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.

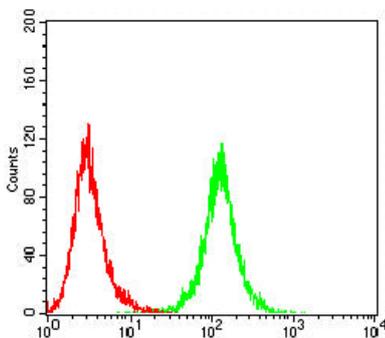
Members of the ABC1 subfamily comprise the only major ABC subfamily found exclusively in multicellular eukaryotes. With cholesterol as its substrate, this protein functions as a cholesterol efflux pump in the cellular lipid removal pathway. Mutations in both alleles of this gene cause Tangier disease and familial high-density lipoprotein (HDL) deficiency.

## Research Area

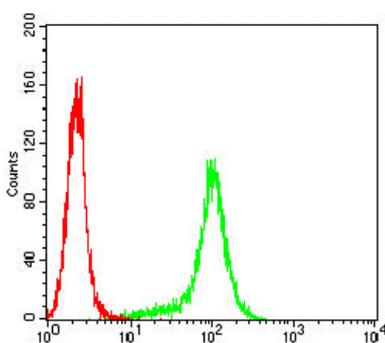
## Image Data



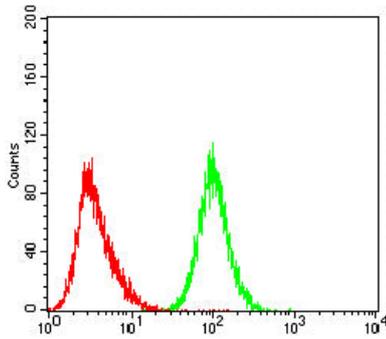
Immunofluorescence analysis of HeLa cells using ABCA1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



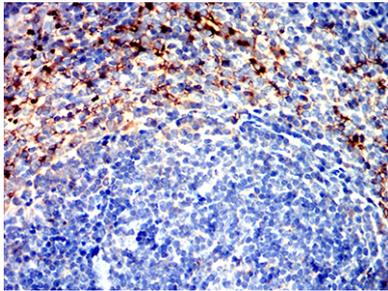
Flow cytometric analysis of bel-7402 cells using ABCA1 mouse mAb (green) and negative control (red).



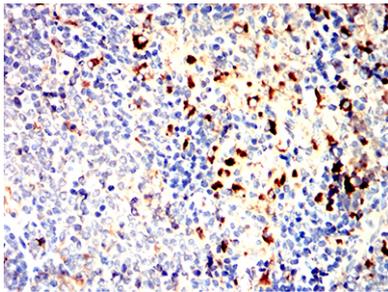
Flow cytometric analysis of HeLa cells using ABCA1 mouse mAb (green) and negative control (red).



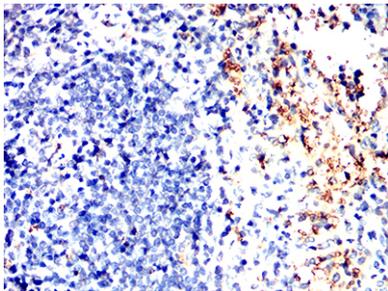
Flow cytometric analysis of Hepg2 cells using ABCA1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded Mouse spleen using ABCA1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rat spleen using ABCA1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit spleen using ABCA1 mouse mAb with DAB staining.