



# Anti-ABCA1 monoclonal antibody, clone BC.I21 (DCABH-7340)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to ABCA1
<b>Antigen Description</b>	cAMP-dependent and sulfonylurea-sensitive anion transporter. Key gatekeeper influencing intracellular cholesterol transport.
<b>Immunogen</b>	Recombinant fragment, corresponding to amino acids 1800-2260 of Human ABCA1.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Mouse, Rat, Chicken, Cow, Human
<b>Clone</b>	BC.I21
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P, ICC/IF, Flow Cyt, WB, ELISA, IP
<b>Positive Control</b>	testis, liver, and brain tissue (negative control: muscle tissue)
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	Preservative: 0.05% Sodium Azide; Constituents: PBS, pH 7.4
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ABCA1 ATP-binding cassette, sub-family A (ABC1), member 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	ABCA1
<b>Synonyms</b>	ABCA1; ATP-binding cassette, sub-family A (ABC1), member 1; ABC1, HDLDT1; ATP-binding cassette sub-family A member 1; Tangier disease; TGD; membrane-bound; ATP-binding cassette transporter 1; ATP-binding cassette transporter A1; cholesterol efflux regulat
<b>Entrez Gene ID</b>	<a href="#">19</a>
<b>Protein Refseq</b>	<a href="#">NP_005493</a>
<b>UniProt ID</b>	<a href="#">B2RUU2</a>
<b>Chromosome Location</b>	9q31
<b>Pathway</b>	ABC transporters, organism-specific biosystem; ABC transporters, conserved biosystem; Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Folate Metabolism, organism-specific biosystem; HDL-mediated lipid transport, organism-specific biosystem;
<b>Function</b>	ATP binding; ATPase activity; anion transmembrane transporter activity; apolipoprotein A-I binding; apolipoprotein A-I receptor activity; apolipoprotein binding; cholesterol binding; cholesterol transporter activity; nucleotide binding; phospholipid bindi