



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

Product Overview	Mouse monoclonal to ABCA1
Antigen Description	cAMP-dependent and sulfonyleurea-sensitive anion transporter. Key gatekeeper influencing intracellular cholesterol transport.
Immunogen	Recombinant fragment, corresponding to amino acids 1800-2260 of Human ABCA1.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Mouse, Rat, Chicken, Cow, Human
Clone	BC.I21
Purity	IgG fraction
Conjugate	Unconjugated
Applications	IHC-P, ICC/IF, Flow Cyt, WB, ELISA, IP
Positive Control	testis, liver, and brain tissue (negative control: muscle tissue)
Format	Liquid
Size	100 µg
Buffer	Preservative: 0.05% Sodium Azide; Constituents: PBS, pH 7.4
Storage	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

Gene Name	ABCA1 ATP-binding cassette, sub-family A (ABC1), member 1 [Homo sapiens]
Official Symbol	ABCA1
Synonyms	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

Entrez Gene ID	19
Protein Refseq	NP_005493
UniProt ID	B2RUU2
Chromosome Location	9q31
Pathway	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;
Function	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
