ABCA1 monoclonal antibody (M01A), clone 1H4

Catalog # H00000019-M01A Size 200 uL

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ABCA1.
Immunogen	ABCA1 (NP_005493, 86 a.a. ~ 185 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	TPGEAPGVVGNFNKSIVARLFSDARRLLLYSQKDTSMKDMRKVLRTLQQIKKSSSNLKLQDFLVD NETFSGFLYHNLSLPKSTVDKMLRADVILHKVFLQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (82)
Isotype	IgM Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — ABCA1

Entrez GeneID	19
GeneBank Accession#	NM_005502

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Protein Accession#	NP_005493
Gene Name	ABCA1
Gene Alias	ABC-1, ABC1, CERP, FLJ14958, HDLDT1, MGC164864, MGC165011, TGD
Gene Description	ATP-binding cassette, sub-family A (ABC1), member 1
Omim ID	143890 205400 600046 604091
Gene Ontology	Hyperlink
Gene Summary	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 cholesteral efflux pump in the cellular lipid removal pathway. Mutations in this gene have been associated with Tangier's disease and familial high-density lipoprotein deficiency. [provided by RefSeq
Other Designations	ATP binding cassette transporter 1|ATP-binding cassette 1|ATP-binding cassette, sub-family A member 1|OTTHUMP00000021833|cholesterol efflux regulatory protein|membrane-bound

Pathway

- ABC transporters

Disease

- Alzheimer disease
- Angina Pectoris
- Arteriosclerosis
- Atherosclerosis
- Atrial Fibrillation
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Calcinosis

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- Cardiovascular Diseases
- Carotid Artery Diseases
- Cerebral Hemorrhage
- Cerebral Infarction
- Cerebrovascular Accident
- Cerebrovascular Disorders
- Cleft Lip
- Cleft Palate
- Coronary Artery Disease
- Coronary Disease
- Coronary Stenosis
- Dementia
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Diseases in Twins
- Ductus Arteriosus
- Dyslipidemias
- Edema
- Genetic Predisposition to Disease
- Glomerulonephritis
- HIV Infections
- Hypercholesterolemia
- Hyperlipidemias
- Hyperlipoproteinemia Type II

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- Hypertension
- Hypertriglyceridemia
- Hypoalphalipoproteinemias
- Hypolipoproteinemias
- Infant
- Inflammation
- Insulin Resistance
- Intracranial Arteriosclerosis
- Intracranial Thrombosis
- Kidney Failure
- Lung Neoplasms
- Macular Degeneration
- Metabolic Syndrome X
- Myocardial Infarction
- Myocardial Ischemia
- Neoplasms
- Nephrotic Syndrome
- Obesity
- Obstetric Labor
- Osteoporosis
- Overweight
- Pulmonary Disease
- Radiodermatitis
- Recurrence
- Renal Insufficiency
- Schizophrenia

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- Stroke
- Tangier disease
- Thrombosis
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome

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