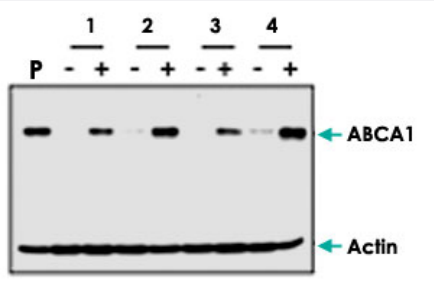
ABCA1 monoclonal antibody, clone AB.H10

Catalog # MAB8772 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of ABCA1 induction by cholesterol (+) in human fibroblast cells from different patients (1, 2, 3, 4). Simultaneous bloting with anti-actin antibody was used for protein loading control.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of ABCA1.
Immunogen	A synthetic peptide corresponding to amino acids 1800-2260 at C-terminus end of human ABCA1.
Host	Mouse
Reactivity	Chicken, Human, Mouse
Form	Liquid
Purification	Protein A purification
Concentration	1 ug/uL
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.05% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay
- Immunoprecipitation
- Western Blot (Cell lysate)

  Western blot analysis of ABCA1 induction by cholesterol (+) in human fibroblast cells from different patients (1, 2, 3, 4). Simultaneous bloting with anti-actin antibody was used for protein loading control.

Gene Info — ABCA1

Entrez GeneID	19
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/TA P, MRP, ALD, OABP, GCN20, White). This protein is a member of the ABC1 subfamily. Member s 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 dis ease 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 m ember 1|OTTHUMP00000021833|cholesterol efflux regulatory protein|membrane-bound

Pathway

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- ABC transporters

Disease

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

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- 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
- Hypertension
- Hypertriglyceridemia
- Hypoalphalipoproteinemias
- Hypolipoproteinemias
- Infant
- Inflammation
- Insulin Resistance
- Intracranial Arteriosclerosis
- Intracranial Thrombosis
- Kidney Failure
- Lung Neoplasms
- Macular Degeneration

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- Metabolic Syndrome X
- Myocardial Infarction
- Myocardial Ischemia
- Neoplasms
- Nephrotic Syndrome
- Obesity
- Obstetric Labor
- Osteoporosis
- Overweight
- Pulmonary Disease
- Radiodermatitis
- Recurrence
- Renal Insufficiency
- Schizophrenia
- Stroke
- Tangier disease
- Thrombosis
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome

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