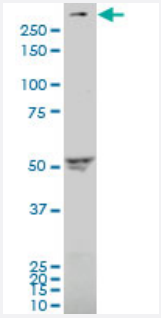
ABCA4 polyclonal antibody (A01)

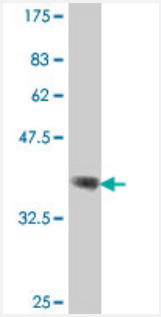
Catalog # H00000024-A01 Size 50 uL

Applications



Western Blot (Cell lysate)

ABCA4 polyclonal antibody (A01), Lot # 051109JC01 Western Blot analysis of ABCA4 expression in SJCRH30 (Cat # L027V1).



Western Blot detection against Immunogen (37.11 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant ABCA4.
Immunogen	ABCA4 (NP_000341, 2174 a.a. ~ 2273 a.a) partial recombinant protein with GST tag.
Sequence	PKDDLLPDLNPVEQFFQGNFPGSVQRERHYNMLQFQVSSSSLARIFQLLLSHKDSLLIEEYSVTQT TLDQVFVNFAKQQTESHDLPLHPRAAGASRQAQD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (92)

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Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA
- Western Blot (Cell lysate)

  ABCA4 polyclonal antibody (A01), Lot # 051109JC01 Western Blot analysis of ABCA4 expression in SJCRH30 (Cat # L027V1).

  Protocol Download
- Western Blot (Recombinant protein)

  Protocol Download

Gene Info — ABCA4

Entrez GeneID	24
GeneBank Accession#	NM_000350
Protein Accession#	NP_000341
Gene Name	ABCA4
Gene Alias	ABC10, ABCR, ARMD2, CORD3, DKFZp781N1972, FFM, FLJ17534, RMP, RP19, STGD, STGD1
Gene Description	ATP-binding cassette, sub-family A (ABC1), member 4
Omim ID	153800 248200 601691 601718 604116
Gene Ontology	Hyperlink

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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. This protein is a retina-specific ABC transporter with N-retinylidene-PE as a substrate. It is expressed exclusively in retina photoreceptor cells, indicating the gene product mediates transport of an essental molecule across the photoreceptor cell membrane. Mutations in this gene are found in patients diagnosed with Stargardt disease, a form of juvenile-onset macular degeneration. Mutations in this gene are also associated with retinitis pigmentosa-19, cone-rod dystrophy type 3, early-onset severe retinal dystrophy, fundus flavimaculatus, and macular degeneration age-related 2. [provided by RefSeq
Other Designations	ATP binding cassette transporter|ATP-binding cassette, sub-family A member 4|ATP-binding transporter, retina-specific|OTTHUMP00000012366|photoreceptor rim protein|retina-specific ABC transporter

Pathway

- ABC transporters

Disease

- Atherosclerosis
- Blindness
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate
- Coronary Artery Disease
- Diabetes Mellitus
- Disease Progression
- Edema
- Esophageal Neoplasms

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- Genetic Predisposition to Disease
- Kidney Failure
- Macular Degeneration
- Retinal Degeneration
- Retinal Diseases
- Retinitis Pigmentosa
- Tobacco Use Disorder
- Toxoplasmosis
- Vision

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