

Catalog Number:	NB100-2068SS
Background:	Mutations in the ABCA1 gene (ATP-binding cassette transporter 1) have been reported in Tangier disease (TD). TD is an autosomal recessive disorder characterized by an absence of plasma HDL, cholesterol ester depositing in the reticulo-endothelial system and deviations in cellular lipid trafficking. ABCA1 mediates the apo-A1 associated export of cholesterol and phospholipids from the cell. It is expressed on the plasma membrane and the Golgi complex, and is regulated by cholesterol flux. Regulation of the cholesterol flux between HDL and macrophages is competitive between ABCA1 and SR-BI.
Alternate Names:	anti-ABC 1 antibody, anti-ABC Transporter 1 antibody, anti-ABC1 antibody, anti-ATP-binding Cassette 1 antibody, anti-ATP-binding Cassette Transporter 1 antibody, anti-CERP antibody, anti-Cholesterol Efflux Regulatory Protein antibody, anti-ABC-1 antibody
Research Areas:	12,51,105,318,0
Immunogen:	Recombinant protein to the N-terminal extracellular loop of mouse ABCA1.
Clone:	HJ1
Isotype:	IgG2b kappa
Epitope:	50 kDa N-terminal extracellular loop
Species Reactivity:	Rat and mouse ABCA1. Low reactivity with human. Other species have not been tested.
Uses:	This antibody may be used for Western Blot where a band representing ABCA1 is seen at ~220 kDa. * Other applications have not been tested.
Dilutions:	Suggested working dilutions * Western Blot 1:2,000 * Investigator should determine optimal working dilutions.
Positive Controls:	Mouse liver lysate
Packaging:	0.025 ml protein G purified Mouse ascites.
Concentration:	1 mg/ml
Buffer:	Tris-glycine, 150mM NaCl
Preservative:	0.05% sodium azide
Storage:	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze thaw cycles.
Novus Specific References:	1. Wang J, Zhang Z-R, Chou C-F, et al. Cyclosporine Stimulates the Renal Epithelial Sodium Channel by Elevating Cholesterol. <i>Am J Physiol Renal Physiol</i> 2008;90647.92008.
Gene Id:	19



Novus Biologicals, Inc
PO Box 802
Littleton, CO 80160
Phone: 1-888-506-6887
Fax: 303-730-1966
Email: novus@novusbio.com
Go to: www.NovusBio.com

Reference Sequence: P41233

Related Diseases: Tangier Disease, Atherosclerosis, Coronary Artery Disease

Image(s)