

# Anti-ABCA1 Mouse Monoclonal Antibody

Cat. #: P-301

Immunogen/Specificity:

Peptides amino acids 1800-2260.

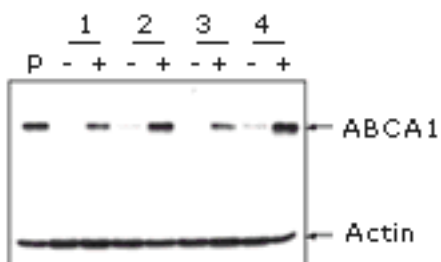
Applications :

Western blot, ELISA, IP, and IHC in lipid metabolic research. Mutations in the ABCA1 gene (ATP-binding cassette transporter 1) are associated with Tangier disease (TD). TD is an autosomal recessive disorder results from an absence of plasma HDL, cholesterol ester depositing in the reticulo-endothelial system and disorders in cellular lipid trafficking. 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.

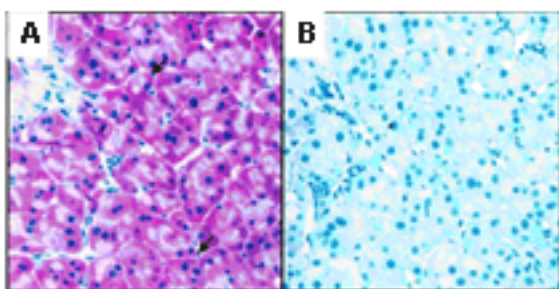
Formulation

1mg/ml in PBS, pH 7.4 with 0.05% Sodium Azide.

Frozen liquid.



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



Immunoreactivity of ABCA1 in adipose and pancreas tissue for ABCA1 protein. A.Strong immunopositivity of exocrine glandular cells of the pancreas, especially in the basal region (arrows). Interstitial microvascular cells are apparently negative. Cells within the islet were weakly positive (data not shown). B.The negative control for Panel A. Original magnification: 330; hematoxylin counterstain

Clone Number: AB1.G6

Isotype: IgG1

**Storage and Stability:** Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.