PRODUCT DATA SHEET

Product: Anti-ABCA1, clone AB1.G6

Cat. No.: **MC-388 (100 µg)**

Specificity:
Mutations in the ABCA1 gene (ATP-binding cassette transporter 1) are associated with Tangier disease (TD). TD is an autosomal recessive disorder resulting 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.

Species Specificity:
Human. Other species not tested.

Immunogen:
Peptide corresponding to amino acids 1800-2260.

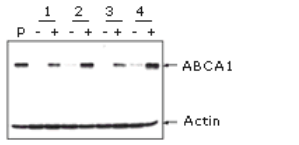
Ig Isotype:
Mouse IgG_1

Format:
100 µg of antibody at 1 mg/mL in PBS, pH 7.4, with 0.5% sodium azide.

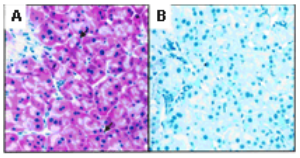
Storage and Stability:
Store at -20°C. Aliquot to avoid repeated freeze/thaw cycles.

Applications and Suggested Dilutions:
- Immunohistochemistry
- Western blot
- ELISA
- Immunoprecipitation

The optimal dilution for a specific application should be determined by the researcher.



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.



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

Limitations:
For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:
No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.