bsm-60239M **[Primary Antibody]**

ABCA1 Recombinant Mouse mAb

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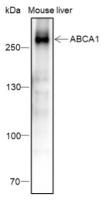
DATASHEET

Host: Mouse
Isotype: IgG
Clonality: Recombinant
GeneID: 19
SWISS: O95477
Target: ABCA1
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background: 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. With cholesterol as its substrate, this protein functions as a cholesteral efflux pump in the cellular lipid removal pathway. Mutations in both alleles of this gene cause Tangier disease and familial high-density lipoprotein (HDL) deficiency. [provided by RefSeq, Sep 2019]

Applications: **WB** (1:500-2000)
Reactivity: Mouse
Predicted MW.: 254 kDa
Subcellular Location: Cell membrane

VALIDATION IMAGES



Blocking buffer: 5% NFDM/TBST Primary ab dilution: 1:2000 Primary ab incubation condition: 2 hours at room temperature Lysate: Mouse liver Protein loading quantity: 20 µg Exposure time: 180 S Predicted MW: 254 kDa Observed MW: 254 kDa

SELECTED CITATIONS

- **[IF=5.4]** Chun-xia Nie. et al. Shenlian extract protected ox-LDL-loaded macrophages against ER stress by promoting LAL-LXRα mediated cholesterol flux. J ETHNOPHARMACOL. 2023 Jun;:116721 WB ;Mouse. 37315648
- **[IF=4.8]** Haoqiang Chen. et al. IFIT2 mediates iron retention and cholesterol efflux in atherosclerosis. INT IMMUNOPHARMACOL. 2024 Dec;142:113131 WB,IF ;Mouse. 39276454
- **[IF=3.3]** Yueqi Cui. et al. The activation of liver X receptors in Madin-Darby bovine kidney cells and mice restricts infection by bovine viral diarrhea virus. VET MICROBIOL. 2023 Dec;:109948 WB ;Bovine. 38113573