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## **ABCA4 Antibody**

**Subcategory:** Mouse Monoclonal Antibody

**Cat. No.:** 253108

**Unit:** 0.1 ml

**Description:**

ATP-binding cassette sub-family A member 4 (Retinal-specific ATP-binding cassette transporter, ABCA4, Rim Protein) facilitates the transfer of N-retinyl-phosphatidylethanolamine (NR-PE), a covalent adduct of all-trans retinaldehyde (ATR) with phosphatidylethanolamine (PE), to the cytoplasmic surface of rod photoreceptors. ABCA4 functions as a flippase, which is a transmembrane protein that ?flips? its conformation to transport materials across a membrane.

**Isotype:** Mouse IgG1

**Applications:** E, WB, IHC

**Species Reactivity:** H, M, R

**Format:** Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of HEPES (pH7.5), 0.01% BSA, with 50% glycerol. Antibody was purified by Protein-G affinity chromatography.

**Alternate Names:** Retinal-specific ATP-binding cassette transporter; ATP-binding cassette sub-family A member 4; RIM ABC transporter; RIM protein; RmP; Abca4; Abcr

**Accession No.:** O35600

**Antigen:** Partially purified bovine 220-kDa disc rim protein.

**Application Notes:** E: 1:500-1:1,000; WB: 1:1,000; IHC: 1:100

**Storage:** Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.