



Anti-ABCA2 monoclonal antibody, clone 9A2-51.3 [R-PE] (CABT-54620RM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Rat anti Mouse ABCA2 antibody, clone 9A2-51.3 recognizes murine adenosine triphosphate (ATP) binding cassette transporter 2 (ABCA2). ATP-binding cassette (ABC) transporters are a large family of conserved proteins that translocate molecules across cellular membranes. ABCA2 is a 250kD member of the ABC-A sub-family, which is predominantly expressed in the central nervous system, ovary and macrophages. The ABCA2 molecule shares homology with ABCA1 and ABCA7 and plays an important role in lipid metabolism. ABCA2 has been associated with Alzheimers disease, and studies suggest that ABCA2 could also be involved in drug transport and resistance of tumours to chemotherapy. Flow Cytometry Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul.

Specificity	ABCA2
Immunogen	ABCA2 transfected HeLa cells
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	9A2-51.3
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests
Preservative	0.09% Sodium Azide

Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
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GENE INFORMATION

Gene Name	Abca2 ATP-binding cassette, sub-family A (ABC1), member 2 [Mus musculus (house mouse)]
Official Symbol	ABCA2
Synonyms	ABCA2; ATP-binding cassette, sub-family A (ABC1), member 2; Abc2; AI413825; mKIAA1062; D2H0S1474E; ATP-binding cassette sub-family A member 2; ATP-binding cassette 2; ATP-binding cassette transporter 2;
Entrez Gene ID	11305
Protein Refseq	NP_031405
UniProt ID	P41234
Chromosome Location	2 A2-B; 2 17.25 cM
Pathway	ABC transporters; Lysosome;
Function	ATP binding; ATPase activity; nucleotide binding; transporter activity;