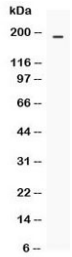
MRP4 Antibody / ABCC4 (R32642)

Catalog No.	Formulation	Size
R32642	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	O15439
Applications	0.5-1ug/ml
Limitations	This MRP4 antibody is available for research use only.



Western blot testing of human COLO320 cell lysate with MRP4 antibody at 0.5ug/ml. Predicted molecular weight ~150 kDa, often observed at 170-200 kDa.

Description

ABCC4 (Atp-binding cassette, subfamily c, member 4), also known as MRP4 or MOATB, is a protein that in humans is encoded by the ABCC4 gene. It belongs to a large family of transmembrane proteins involved in active transport of substrates out of cells. This gene is mapped to chromosome 13q32. ABCC4 acts as an independent regulator of intracellular cyclic nucleotide levels and as a mediator of cAMP-dependent signal transduction to the nucleus. The antiproliferative effect of ABCC4 inhibition was related to cAMP-dependent PKA activation and CREB phosphorylation. Pharmacologic inhibition of ABCC4 activity or knockdown of ABCC4 via RNA interference resulted in reduced migration of DCs from human skin explants and of in vitro-generated Langerhans cells. It has been found that ABCC4 contributes to

migration of DCs toward draining lymph nodes and therefore has a role in the initiation of an immune response.

Application Notes

Optimal dilution of the MRP4 antibody should be determined by the researcher.

Immunogen

Amino acids M1-K77 from the human protein were used as the immunogen for the MRP4 antibody.

Storage

After reconstitution, the MRP4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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