ABCC1 Antibody / MRP1 (R32709)

Catalog No.	Formulation	Size
R32709	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	P33527
Applications	Western Blot : 0.5-1ug/ml
Limitations	This ABCC1 antibody is available for research use only.

Western blot testing of human 1) HeLa and 2) A549 cell lysate with ABCC1 antibody at 0.5ug/ml. Predicted molecular weight: 152-172 kDa (multiple isoforms), can be observed at ~190 kDa, observed here at ~220 kDa.

Description

Multidrug resistance-associated protein 1 (MRP1) is a protein that in humans is encoded by the ABCC1 gene. The 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 intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This full transporter is a member of the MRP subfamily which is involved in multi-drug resistance. This protein functions as a multispecific organic anion transporter, with oxidized glutatione, cysteinyl leukotrienes, and activated aflatoxin B1 as substrates. This protein also transports glucuronides and sulfate conjugates of steroid hormones and bile salts. Alternatively spliced variants of this gene have been described but

their full-length nature is unknown.

Application Notes

Optimal dilution of the ABCC1 antibody should be determined by the researcher.

Immunogen

Amino acids 1493-1528 (DYTRVIVLDKGEIQEYGAPSDLLQQRGLFYSMAKDA) from the human protein were used as the immunogen for the ABCC1 antibody.

Storage

After reconstitution, the ABCC1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.