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anti-ABCC2 antibody





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Overview

Quantity:	100 μL
Target:	ABCC2
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ABCC2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	MRP2/ABCC2 Rabbit mAb
Immunogen:	A synthesized peptide derived from human MRP2/ABCC2
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ABCC2
Alternative Name:	ABCC2 (ABCC2 Products)
Background:	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 protein is a member of the MRP subfamily which is involved in multi-drug resistance. This protein is expressed in the canalicular (apical) part of the hepatocyte and functions in biliary transport. Substrates include anticancer drugs such as vinblastine, therefore, this protein appears to contribute to drug resistance in mammalian cells. Several different mutations in this gene have been observed in patients with Dubin-Johnson syndrome (DJS), an autosomal recessive disorder characterized by conjugated hyperbilirubinemia. [provided by RefSeq, Jul 2008],ABC30, CMOAT, DJS, MRP2, cMRP,Cancer,Drug resistance,Drug resistance_MRP-related proteins,Endocrine & Metabolism,Signal Transduction,ABCC2

Molecular Weight: 174kDa

Gene ID: 1244

UniProt: Q92887

Pathways: Hormone Transport

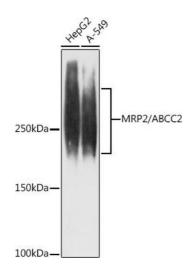
Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MRP2/ antibody (ABIN7265737) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 μg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Enhanced Kit (RM00021).Exposure time: 180s.