

ABCC4 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant ABCC4.

Catalog # AT1006a

Product Information

Application	WB, IHC, E
Primary Accession	O15439
Other Accession	BC041560
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1B2
Calculated MW	149527

Additional Information

Gene ID	10257
Other Names	Multidrug resistance-associated protein 4, ATP-binding cassette sub-family C member 4, MRP/cMOAT-related ABC transporter, Multi-specific organic anion transporter B, MOAT-B, ABCC4, MRP4
Target/Specificity	ABCC4 (AAH41560, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	ABCC4 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

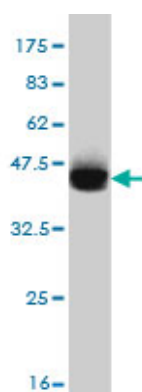
Background

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. The specific function of this protein has not yet been determined; however, this protein may play a role in cellular detoxification as a pump for its substrate, organic anions. Alternative splicing results in multiple splice variants encoding different isoforms.

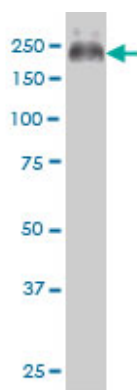
References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. A Japanese-specific allele in the GALNT11 gene. Yuasa I, et al. Leg Med (Tokyo), 2010 Jul. PMID 20547088. Aryl hydrocarbon receptor and NF-E2-related factor 2 are key regulators of human MRP4 expression. Xu S, et al. Am J Physiol Gastrointest Liver Physiol, 2010 Jul. PMID 20395535. The multidrug-resistance protein 4 polymorphism is a new factor accounting for thiopurine sensitivity in Japanese patients with inflammatory bowel disease. Ban H, et al. J Gastroenterol, 2010 Apr 15. PMID 20393862. Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.

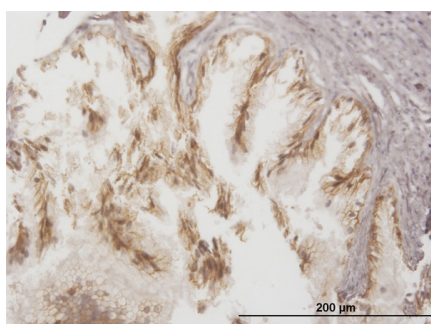
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 KDa) .

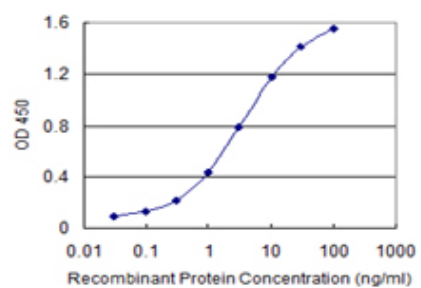


ABCC4 monoclonal antibody (M03), clone 1B2 Western Blot analysis of ABCC4 expression in Hela S3 NE ((Cat # AT1006a)



Immunoperoxidase of monoclonal antibody to ABCC4 on formalin-fixed paraffin-embedded human prostate. [antibody concentration 3 ug/ml]

Detection limit for recombinant GST tagged ABCC4 is 0.03 ng/ml as a capture antibody.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.