10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ABCC6 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ABCC6.
Catalog # AT1007a

Product Information

Application	WB, E
Primary Accession	O95255
Other Accession	NM_001171
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	1E7
Calculated MW	164906

Additional Information

Gene ID	368
Other Names	Multidrug resistance-associated protein 6, ATP-binding cassette sub-family C member 6, Anthracycline resistance-associated protein, Multi-specific organic anion transporter E, MOAT-E, ABCC6, ARA, MRP6
Target/Specificity	ABCC6 (NP_001162, 831 a.a. ~ 930 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	ABCC6 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

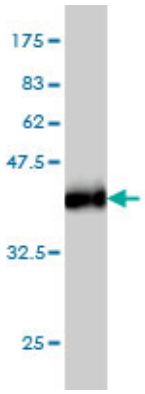
Background

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). The encoded protein, a member of the MRP subfamily, is involved in multi-drug resistance. Mutations in this gene cause pseudoxanthoma elasticum. Alternatively spliced transcript variants that encode different proteins have been described for this gene.

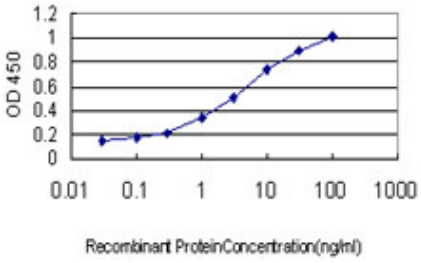
References

Analysis of MMP2 promoter polymorphisms in patients with pseudoxanthoma elasticum. Zarbock R, et al. Clin Chim Acta, 2010 Oct 9. PMID 20541540.The ERK1/2-hepatocyte nuclear factor 4alpha axis regulates human ABCC6 gene expression in hepatocytes. de Boussac H, et al. J Biol Chem, 2010 Jul 23. PMID 20463007.Novel deletions causing pseudoxanthoma elasticum underscore the genomic instability of the ABCC6 region. Costrop LM, et al. J Hum Genet, 2010 Feb. PMID 20075945.Pseudoxanthoma elasticum: molecular genetics and putative pathomechanisms. Uitto J, et al. J Invest Dermatol, 2010 Mar. PMID 20032990.The R1141X loss-of-function mutation of the ABCC6 gene is a strong genetic risk factor for coronary artery disease. K?bl?s G, et al. Genet Test Mol Biomarkers, 2010 Feb. PMID 19929409.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



Detection limit for recombinant GST tagged ABCC6 is approximately 0.03ng/ml as a capture antibody.