

ABCC6 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant ABCC6. Catalog # AT1008a

Product Information

Application WB, E **Primary Accession** 095255 **Other Accession** NM 001171 Reactivity Human Host mouse Clonality monoclonal Isotype IgG1 Kappa **Clone Names** 5D8 **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) (M02) is for research use only and not for use

in diagnostic or therapeutic procedures.

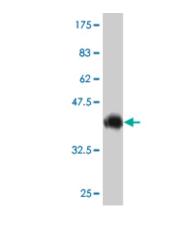
Background

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.

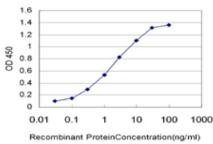
References

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.

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