ABCC6 monoclonal antibody, clone M6II-31

Catalog # MAB3476 Size

Specification

Product Description	Rat monoclonal antibody raised against recombinant ABCC6.
Immunogen	Recombinant protein corresponding to amino acids 764-964 of human ABCC6.
Host	Rat
Reactivity	Human
Specificity	M6II-31 did not cross-react with the human MDR1, MRP1, MRP2, MRP3, MPR4 and MRP5 gene products.
Form	Liquid
Isotype	IgG2a
Recommend Usage	Immunocytochemistry (1:20-50) Western Blot (1:20-50) Immunohistochemistry (Frozen sections) (1:20-50) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20) The optimal working dilution should be determined by the end user.
Storage Buffer	In serum-free culture supernatant (0.7% BSA, 0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunohistochemistry (Frozen sections)
- Immunocytochemistry
- Flow Cytometry

Gene Info — ABCC6

Entrez GeneID	368
Gene Name	ABCC6
Gene Alias	ABC34, ARA, EST349056, MLP1, MOATE, MRP6, PXE, PXE1
Gene Description	ATP-binding cassette, sub-family C (CFTR/MRP), member 6
Omim ID	177850 264800 603234
Gene Ontology	Hyperlink
Gene Summary	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 membrane s. 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 r esistance. Mutations in this gene cause pseudoxanthoma elasticum. Alternatively spliced transcri pt variants that encode different proteins have been described for this gene. [provided by RefSeq
Other Designations	ATP-binding cassette, sub-family C, member 6|anthracycline resistance-associated

Publication Reference

- MRP6 (ABCC6) detection in normal human tissues and tumors.

  Scheffer GL, Hu X, Pijnenborg AC, Wijnholds J, Bergen AA, Scheper RJ.

  Laboratory Investigation 2002 Apr; 82(4):515.

  Application: IHC, WB-Tr, Human, HEK 293 cells, Kidneys, Livers

- Mutations in ABCC6 cause pseudoxanthoma elasticum.

  Bergen AA, Plomp AS, Schuurman EJ, Terry S, Breuning M, Dauwerse H, Swart J, Kool M, van Soest S, Baas F, ten Brink JB, de Jong PT.

  Nature Genetics 2000 Jun; 25(2):228.

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Pathway

- ABC transporters

Disease

- Angioid Streaks
- Calcinosis
- Cardiovascular Abnormalities
- Celiac Disease
- Coronary Artery Disease
- Genetic Predisposition to Disease
- Kidney Failure
- Metabolic Syndrome X
- Pseudoxanthoma Elasticum
- Renal Insufficiency
- Retinal Diseases
- Skin Abnormalities
- Skin Diseases
- Stroke
- Werner syndrome

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