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# 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

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|---|---|
| **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. |

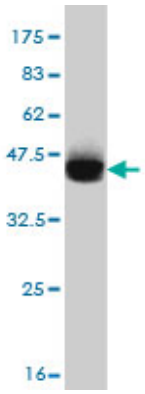
## Background

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.

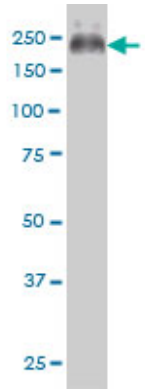
## References

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.

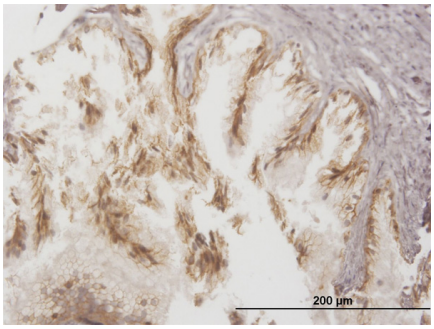
## Images




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

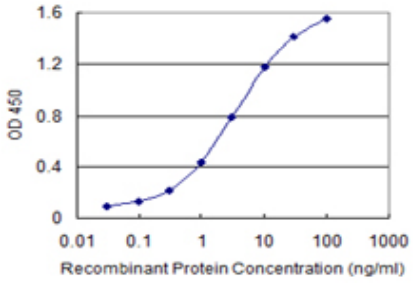



ABCC4 monoclonal antibody (M03), clone 1B2 Western Blot analysis of ABCC4 expression in Hela S3 NE ( (Cat # AT1006a )




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'.