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# Rabbit Anti-MRP6 antibody

SL17766R

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| **Product Name:** | MRP6 |
| **Chinese Name:** | 多药耐药相关蛋白6抗体 |
| **Alias:** | ABC34; Abcc6; Anthracycline resistance-associated protein; ARA; ATP binding cassette sub family C (CFTR/MRP) member 6; ATP binding cassette sub family C member 6; ATP-binding cassette sub-family C member 6; EST349056; MLP1; MOAT E; MOAT-E; MOATE; MRP 6; MRP6; MRP6_HUMAN; Multi-specific organic anion transporter E; Multidrug resistance associated protein 6; Multidrug resistance-associated protein 6; multispecific organic anion transporter E; PXE; PXE1; URG7; URG7 protein. |
| **Organism Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **React Species:** | Human,Mouse,Rat,Pig,Cow,Sheep, |
| **Applications:** | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight:** | 165kDa |
| **Cellular localization:** | The cell membrane |
| **Form:** | Lyophilized or Liquid |
| **Concentration:** | 1mg/ml |
| **immunogen:** | KLH conjugated synthetic peptide derived from human MRP6:1351-1503/1503 |
| **Lsotype:** | IgG |
| **Purification:** | affinity purified by Protein A |
| **Storage Buffer:** | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| **Storage:** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **PubMed:** | PubMed |
| **Product Detail:** | 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. [provided by RefSeq, Jul 2008]

**Function:**
May participate directly in the active transport of drugs into subcellular organelles or influence drug distribution indirectly. Transports glutathione conjugates as leukotriene-c4 (LTC4) and N-ethylmaleimide S-glutathione (NEM-GS).

**Subcellular Location:**
Membrane. Localized to the basolateral membrane.

**Tissue Specificity:**
Expressed in kidney and liver. Very low expression in other tissues.

**DISEASE:**
Defects in ABCC6 are the cause of pseudoxanthoma elasticum (PXE) [MIM:264800]. PXE is a disorder characterized by calcification of elastic fibers in skin, arteries and retina that results in dermal lesions with associated laxity and loss of elasticity, arterial insufficiency and retinal hemorrhages leading to macular degeneration. PXE is caused in the overwhelming majority of cases by homozygous or compound heterozygous mutations in the ABCC6 gene (autosomal recessive PXE). Individuals carrying heterozygous mutations express limited manifestations of the pseudoxanthoma elasticum phenotype (autosomal dominant PXE).

**Similarity:**
Belongs to the ABC transporter superfamily.
ABCC family. Conjugate transporter (TC 3.A.1.208) subfamily.
Contains 2 ABC transmembrane type-1 domains.
Contains 2 ABC transporter domains.

**SWISS:**
O95255

**Gene ID:**
368

**Database links:**

Entrez Gene: 368 Human

Omim: 603234 Human

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| | SwissProt: O95255 Human<br><br>Unigene: 442182 Human<br><br>**Important Note:**<br>This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |