SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

**[ Primary Antibody ]**

# Rabbit Anti-MRP5 antibody

**Catalog Number: SL1437R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

| | |
|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | MRP5 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human MRP5: 61-180/1436 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | WB=1:500-2000<br>IHC-P=1:100-500<br>IHC-F=1:100-500<br>IF=1:100-500<br>ELISA=1:5000-10000 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Rat, (predicted: Human, Mouse) |
| **Predicted MW.:** | 160kDa |
| **Subcellular Location:** | The cell membrane |
| **Background:** | MRP5 (190-200 kDa) is closely related to MRP4, both lacking the first five membrane spanning regions. MRP5 is a GS-X multi specific organic anion pump (nucleotide analogs). MRP5 may transport DNP-GS and may be inhibited by certain inhibitors of organic anion transport (sulfinpyrazone). MRP5 may also transport organic anions with the anionic moiety of phosphate/phosphonate group, a function which provides the ability to resist against anti cancer drugs 6-MP and thioguanine as well as the anti-HIV drug PMEA.<br>**Function:** Acts as a multispecific organic anion pump which can transport nucleotide analogs.<br>**Subcellular Location:** Membrane; Multi-pass membrane protein. |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

| | |
|---|---|
| | **Tissue Specificity:** All isoforms are equally expressed in retina.<br>**Similarity:** Belongs to the ABC transporter superfamily. ABCC family.<br>Conjugate transporter (TC 3.A.1.208) subfamily.<br>Contains 2 ABC transmembrane type-1 domains.<br>Contains 2 ABC transporter domains.<br>**Database links:**<br>**Entrez Gene:** 10057 Human<br>Omim: 605251 Human<br>**SwissProt:** O15440 Human<br>**Unigene:** 368563 Human<br>**Unigene:** 728765 Human |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.