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**Product Name: MRP3 Mouse Monoclonal Antibody****Catalog #: AMM82957**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ELISA,FC
<b>Reactivity</b>	Human, Mouse, Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	43kDa

**Antigen Information**

<b>Gene Name</b>	MRP3
<b>Alternative Names</b>	MLP2; MRP3; ABC31; MOAT-D; cMOAT2; EST90757
<b>Gene ID</b>	8714.0
<b>SwissProt ID</b>	O15438
<b>Immunogen</b>	Purified recombinant fragment of human MRP3 (AA: 830-949) expressed in E. Coli.

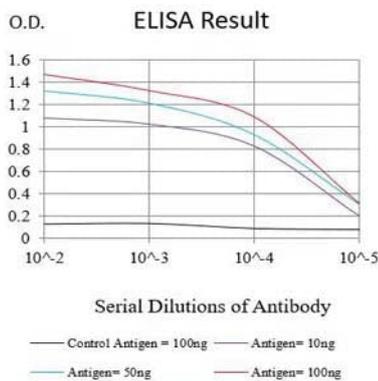
**Background**

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-

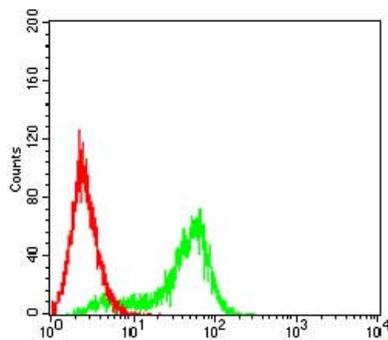
drug resistance. The specific function of this protein has not yet been determined; however, this protein may play a role in the transport of biliary and intestinal excretion of organic anions. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized.

## Research Area

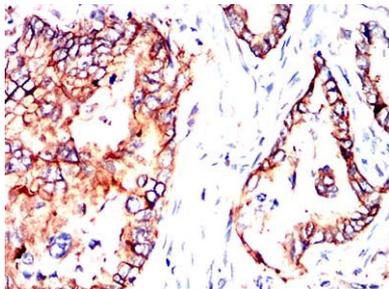
## Image Data



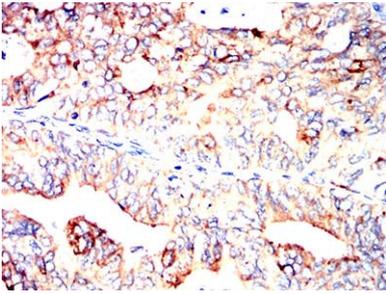
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



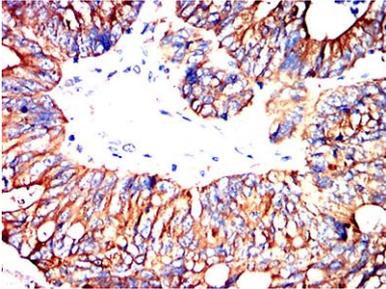
Flow cytometric analysis of HepG2 cells using MRP3 mouse mAb (green) and negative control (red).



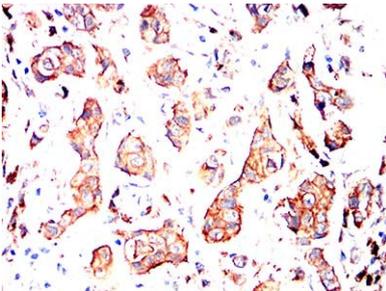
Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using MRP3 mouse mAb with DAB staining.



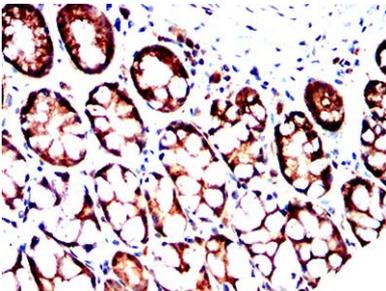
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using MRP3 mouse mAb with DAB staining.



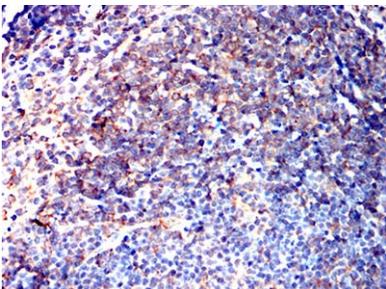
Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using MRP3 mouse mAb with DAB staining.



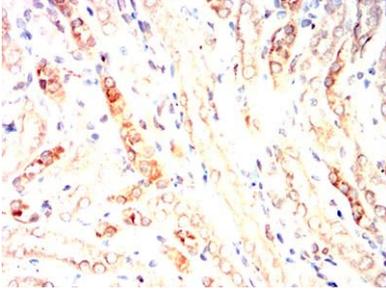
Immunohistochemical analysis of paraffin-embedded breast cancer tissues using MRP3 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded mouse colon tissues using MRP3 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissues using MRP3 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rat kidney tissues using MRP3 mouse mAb with DAB staining.