



Rabbit Anti-MRP1/ABCC1 antibody

SL0657R

Product Name:	MRP1/ABCC1
Chinese Name:	多药耐药相关蛋白1抗体
Alias:	Multidrug Resistanec-Associated Protein 1; ABC 29; ABC29; ABCC 1; ABCC; ABCC1; ATP binding cassette sub family C (CFTR/MRP) member 1; ATP binding cassette sub-family C member 1; DKFZp686N04233; DKFZp781G125; GS X; GSX; Leukotriene C(4) transporter; LTC4 transporter; MRP 1; MRP; Multidrug resistance associated protein 1; Multidrug resistance protein; Multiple drug resistance associated protein; Multiple drug resistance protein 1; MRP1 HUMAN.
文献引用 PubMed :	<p>Specific References(3)SL0657R has been referenced in 3 publications.</p> <p>[IF=3.07]Wen-Qing, Hu, Peng Chun-Wei, and Li Yan. "The expression and significance of P-glycoprotein, lung resistance protein and multidrug resistance-associated protein in gastric cancer." Journal of Experimental & Clinical Cancer Research 28 (2009).Human. PubMed:19930704</p> <p>[IF=1.91]Yan, Yong-Rong, et al. "Epithelial-to-mesenchymal transition is involved in BCNU resistance in human glioma cells." Neuropathology (2014).WB;Human. PubMed:19930704</p> <p>[IF=6.93]Peng, Lei, et al. "Development of a novel orthotopic non-small cell lung cancer model and therapeutic benefit of 2'-(2-bromohexadecanoyl)-docetaxel conjugate nanoparticles." Nanomedicine: Nanotechnology, Biology and Medicine (2014).IHC-P;Mouse. PubMed:24709328</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Cow,

Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=3ug/testIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	170kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MRP1:501-600/1531<Cytoplasmic>
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:	<p>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 full transporter is a member of the MRP subfamily which is involved in multi-drug resistance. This protein functions as a multispecific organic anion transporter, with oxidized glutathione, cysteinyl leukotrienes, and activated aflatoxin B1 as substrates. This protein also transports glucuronides and sulfate conjugates of steroid hormones and bile salts. Alternatively spliced variants of this gene have been described but their full-length nature is unknown. [provided by RefSeq, Apr 2012]</p> <p>Function: Mediates export of organic anions and drugs from the cytoplasm. Mediates ATP-dependent transport of glutathione and glutathione conjugates, leukotriene C4, estradiol-17-beta-o-glucuronide, methotrexate, antiviral drugs and other xenobiotics. Confers resistance to anticancer drugs. Hydrolyzes ATP with low efficiency.</p> <p>Subcellular Location: Cell membrane; Multi-pass membrane protein.</p> <p>Tissue Specificity: Lung, testis and peripheral blood mononuclear cells.</p> <p>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.</p>

SWISS:
O35379

Gene ID:
17250

Database links:

[Entrez Gene: 4363](#)Human

[Entrez Gene: 17250](#)Mouse

[Entrez Gene: 24565](#)Rat

[Oimim: 158343](#)Human

[SwissProt: P33527](#)Human

[SwissProt: O35379](#)Mouse

[SwissProt: Q8CG09](#)Rat

[Unigene: 391464](#)Human

[Unigene: 196634](#)Mouse

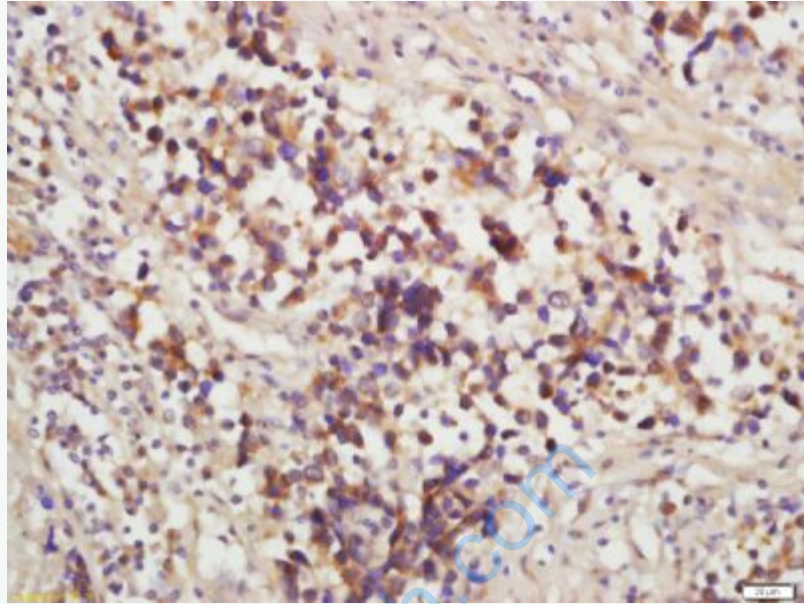
[Unigene: 10495](#)Rat

Important Note:

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

多药耐药相关蛋白1(MRP1)是MRP家族中的一个成员之一, 基因的染色体位点是16p13.1, 它编码分子量是170-190kDa的MRP1蛋白。

MRP1又称ABCC1主要表达在消化系统中的肝脏、结肠和胰腺组织中, 常用于多种Tumour的多药耐药机制的研究。

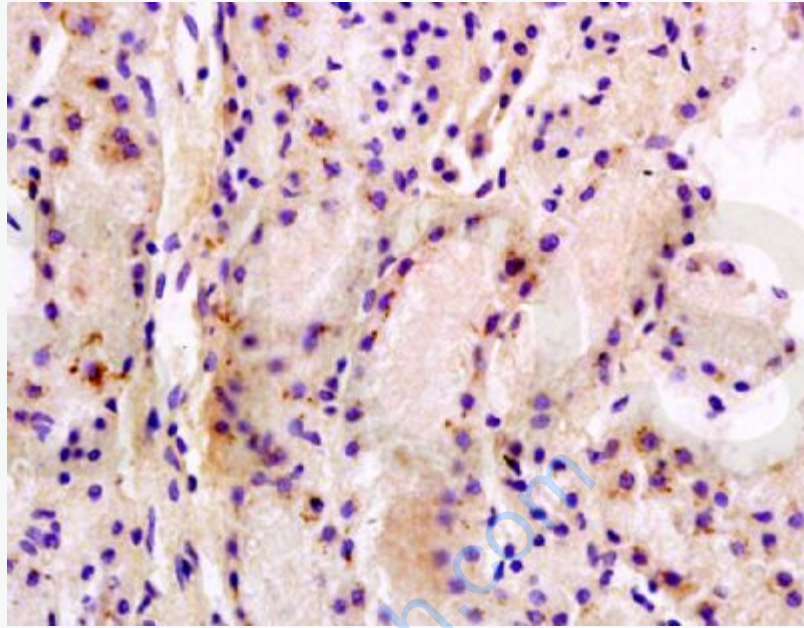


Picture:

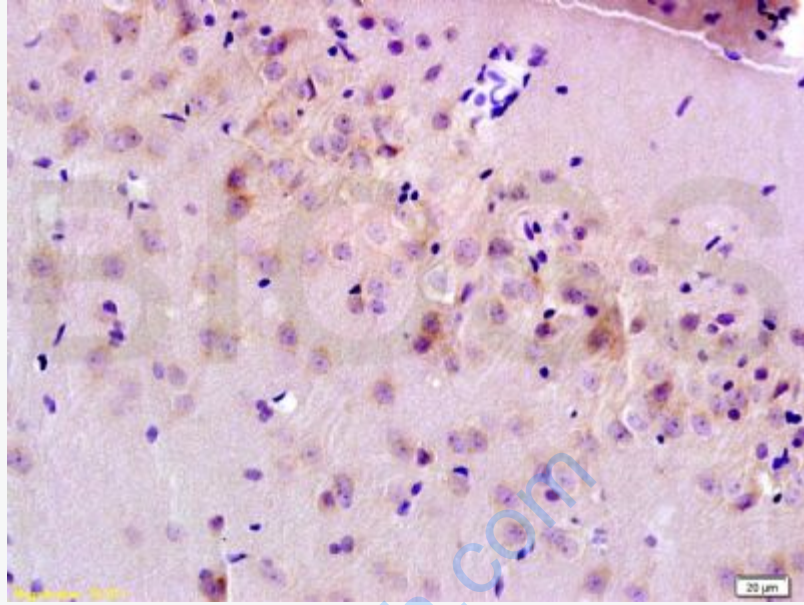
Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

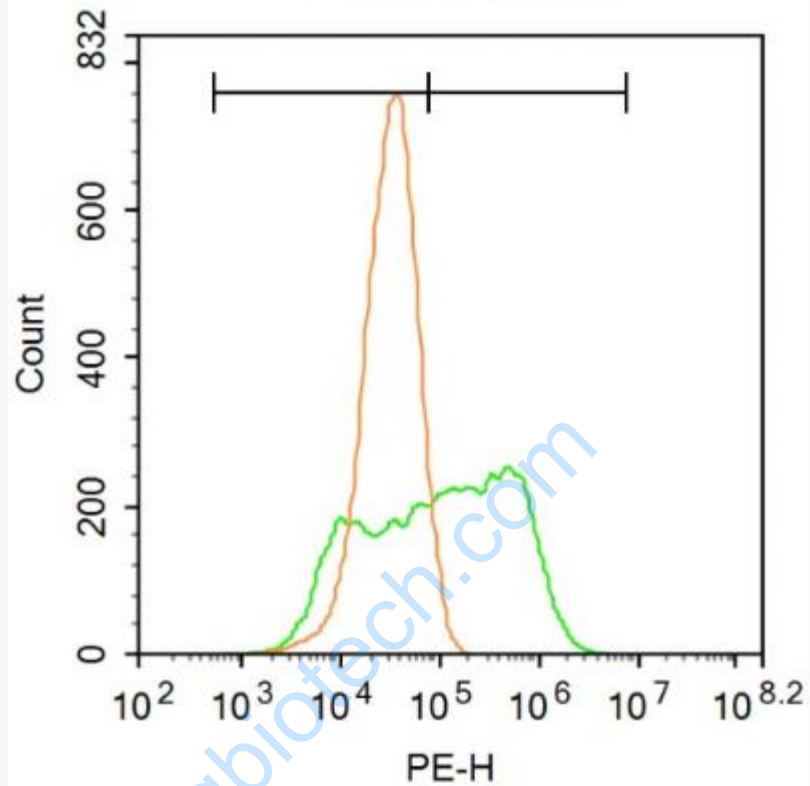
Incubation: Anti-MRP1 Polyclonal Antibody, Unconjugated(SL0657R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer
(normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-MRP1 Polyclonal Antibody, Unconjugated(SL0657R) 1:200,
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and
DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-MRP1 Polyclonal Antibody, Unconjugated(SL0657R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control: A549.

Primary Antibody (green line): Rabbit Anti-ABCC1 antibody (SL0657R)

Dilution: $3\mu\text{g} / 10^6$ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-PE

Dilution: $1\mu\text{g} / \text{test}$.

Protocol

The cells were incubated in 5%BSA to block non-specific protein-protein

interactions for 30 min at room temperature .Cells stained with Primary Antibody

for 30 min at room temperature. The secondary antibody used for 40 min at room

	temperature. Acquisition of 20,000 events was performed.
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