OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA801008S

P Glycoprotein (ABCB1) Mouse Monoclonal Antibody [Clone ID: OTI2G6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2G6
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 995-1280 of human ABCB1 (NP_000918) produced in SF9 cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	ATP binding cassette subfamily B member 1
Database Link:	NP_000918 Entrez Gene 170913 RatEntrez Gene 5243 Human P08183

View online »

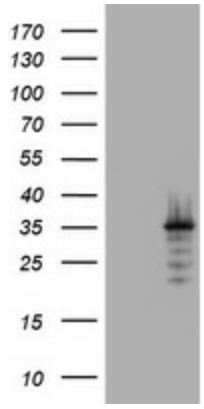
Background: The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance. The protein encoded by this gene is an ATP-dependent drug efflux pump for xenobiotic compounds with broad substrate specificity. It is responsible for decreased drug accumulation in multidrug-resistant cells and often mediates the development of resistance to anticancer drugs. This protein also functions as a transporter in the blood-brain barrier. [provided by RefSeq, Jul 2008]

Synonyms: ABC20; CD243; CLCS; GP170; MDR1; p-170; P-GP; PGY1

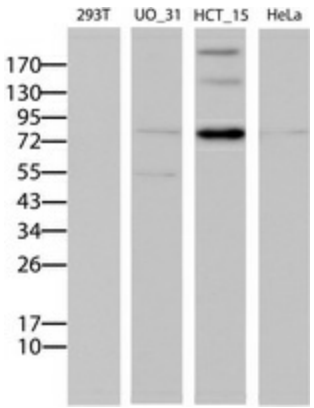
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: ABC transporters

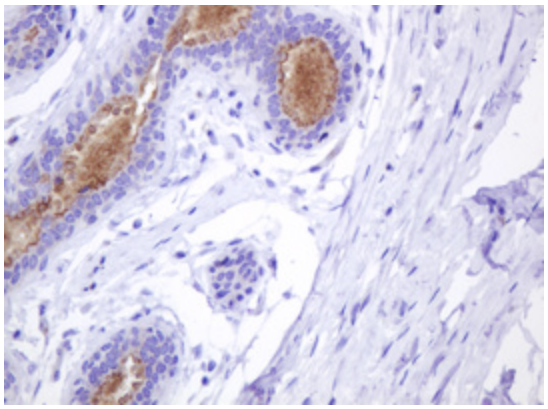
Product images:



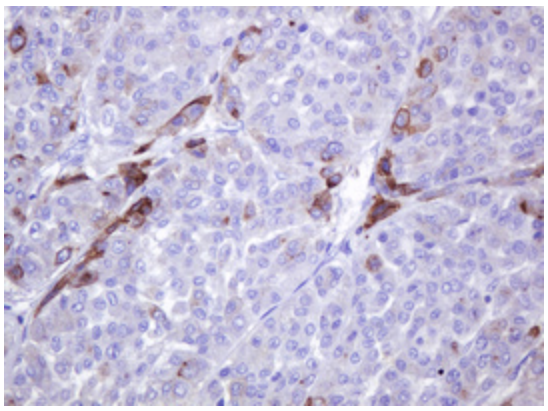
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or fragment (995-1280 AA) of ABCB1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ABCB1.



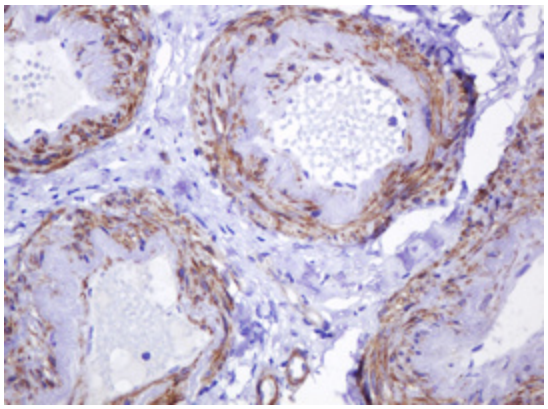
Western blot analysis of extracts (15ug) from 4 different cell lines by using anti-ABCB1 monoclonal antibody (Lane 1: 293T; Lane 2: UO_31; Lane 3: HCT_115; Lane 4: Hela)



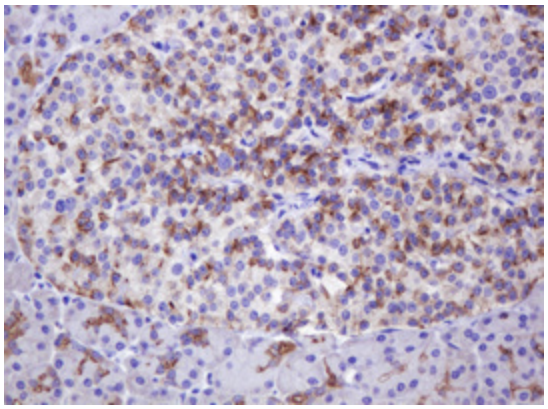
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-ABCB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA801008])



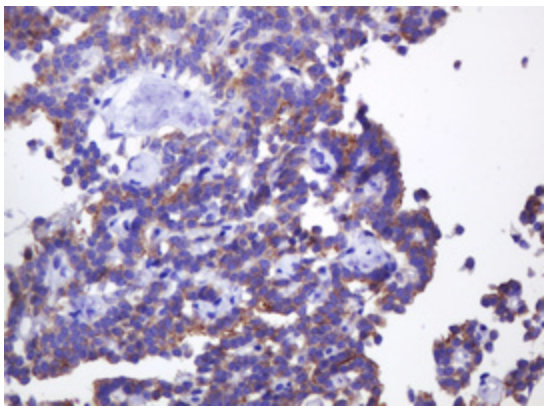
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-ABCB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA801008])



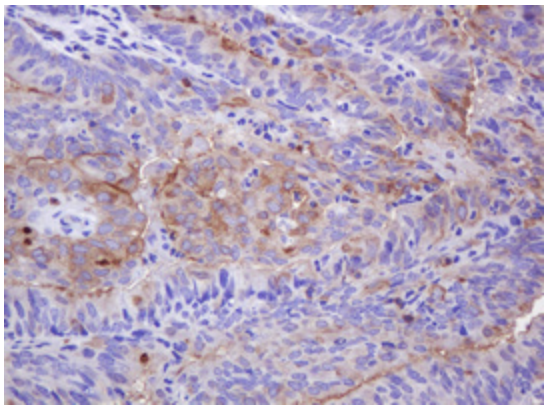
Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-ABCB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA801008])



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-ABCB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA801008])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-ABCB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA801008])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-ABCB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA801008])