

Rabbit anti-Human, Rat ABCB10 Polyclonal Antibody | anti-ABCB10 antibody

ABCB10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324487	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

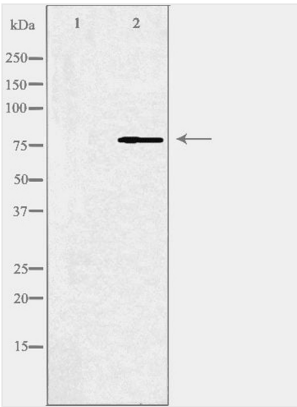
PRODUCT SYNONYMS

ABCB10; Polyclonal Antibody; ABCB10 Antibody; ABC transporter 10 protein; ABCB10 ATP binding cassette; sub family B (MDR/TAP); member 10; ABCBA_HUMAN; ATP binding cassette sub family B member 10; mitochondrial; ATP binding cassette transporter 10; ATP-binding cassette sub-family B member 10; ATP-binding cassette transporter 10; EST20237; M ABC2; M-ABC2; Mitochondrial ATP binding cassette 2; Mitochondrial ATP-binding cassette 2; MTABC2; anti-ABCB10 antibody

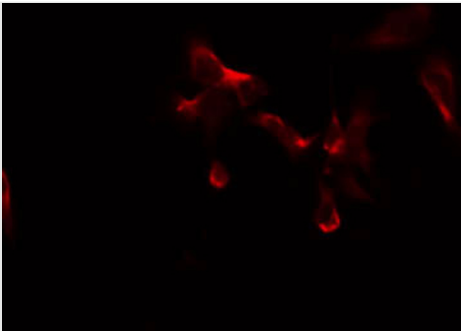
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ABCB10 antibody detects endogenous levels of total ABCB10
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	738
Applicable Applications for anti-ABCB10 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion Inner Membrane.
Tissue Specificity	Ubiquitous. Highly expressed in bone marrow, expressed at intermediate to high levels in skeletal muscle, small intestine, thyroid, heart, brain, placenta, liver, pancreas, prostate, testis, ovary, leukocyte, stomach, spinal cord, lymph node, trachea and adrenal gland, and low levels are found in lung, kidney, spleen, thymus and colon.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (91%), Dog (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

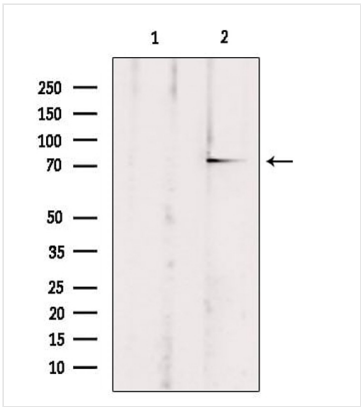
IMAGES



WB (Western Blot)
Western blot analysis of extracts from COLO cells, using ABCB10 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)
AAA324487 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from rat brain, using ABCB10 Antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ABCB10 antibody	Function: May mediate critical mitochondrial transport functions related to heme biosynthesis. Subunit Structure: Homodimer or homooligomer. Similarity: Belongs to the ABC transporter superfamily. ABCB family. Mitochondrial peptide exporter (TC 3.A.1.212) subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	171184400
NCBI GeneID	23456
NCBI Accession #	NP_036221.2
NCBI GenBank Nucleotide #	NM_012089.2
UniProt Accession #	Q9NRK6; Q13040; Q6P1Q8; Q9H3V0
Molecular Weight	Observed: 79 kD Predicted: 80 kDa
NCBI Official Full Name	ATP-binding cassette sub-family B member 10, mitochondrial
NCBI Official Synonym Full Names	ATP binding cassette subfamily B member 10
NCBI Official Symbol	ABCB10

NCBI Official Synonym Symbols	M-ABC2; MTABC2; EST20237
NCBI Protein Information	ATP-binding cassette sub-family B member 10, mitochondrial
UniProt Protein Name	ATP-binding cassette sub-family B member 10, mitochondrial
UniProt Gene Name	ABCB10
UniProt Synonym Gene Names	ABC transporter 10 protein; M-ABC2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/abcb10-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324487>