

**ABCB10 Polyclonal Antibody**

<b>Catalog No :</b>	YT0045
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	ABCB10
<b>Fields :</b>	>>ABC transporters
<b>Gene Name :</b>	ABCB10
<b>Protein Name :</b>	ATP-binding cassette sub-family B member 10 mitochondrial
<b>Human Gene Id :</b>	23456
<b>Human Swiss Prot No :</b>	Q9NRK6
<b>Mouse Swiss Prot No :</b>	Q9JI39
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human ABCB10. AA range:441-490
<b>Specificity :</b>	ABCB10 Polyclonal Antibody detects endogenous levels of ABCB10 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:40000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 79kD

**Cell Pathway :** ABC transporters;

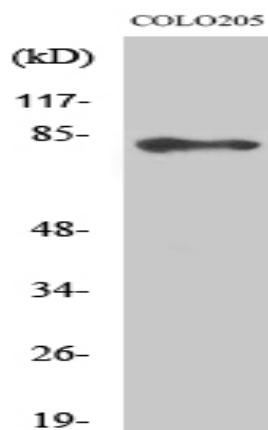
**Background :** The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, 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 function of this mitochondrial protein is unknown. [provided by RefSeq, Jul 2008],

**Function :** function:May mediate critical mitochondrial transport functions related to heme biosynthesis.,similarity:Belongs to the ABC transporter family.,similarity:Belongs to the ABC transporter family. Mitochondrial peptide exporter (TC 3.A.1.212) subfamily.,similarity:Contains 1 ABC transmembrane type-1 domain.,similarity:Contains 1 ABC transporter domain.,subunit:Homodimer or heterodimer .,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.,

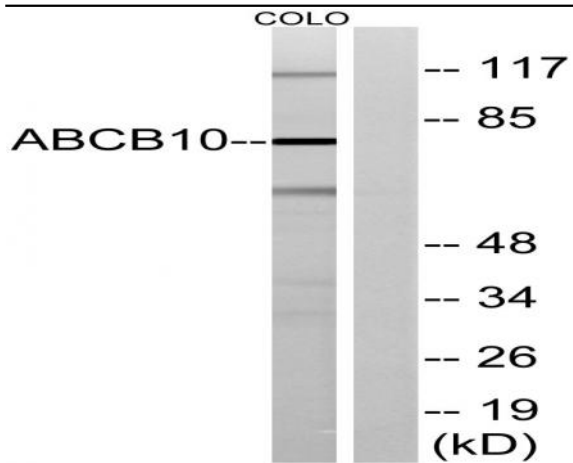
**Subcellular Location :** Mitochondrion inner membrane ; Multi-pass membrane protein .

**Expression :** 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.

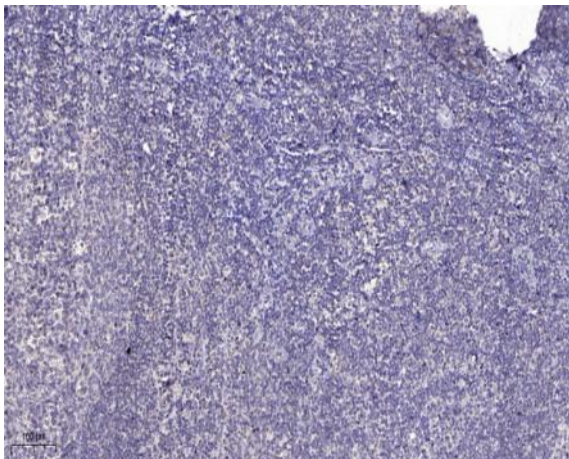
## Products Images



Western Blot analysis of various cells using ABCB10 Polyclonal Antibody



Western blot analysis of lysates from COLO cells, using ABCB10 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).