

Product datasheet for **TA332358**

TAP1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-TAP1 Antibody: synthetic peptide directed towards the middle region of human TAP1. Synthetic peptide located within the following region: LVTFVLYQMFTQAVEVLLSIYPRVQKAVGSSEKIFEYLDRTPRCPPSGL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	87 kDa
Gene Name:	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
Database Link:	NP_000584 Entrez Gene 6890 Human Q03518



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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). TAP1 is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance. TAP1 is involved in the pumping of degraded cytosolic peptides across the endoplasmic reticulum into the membrane-bound compartment where class I molecules assemble. 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 involved in the pumping of degraded cytosolic peptides across the endoplasmic reticulum into the membrane-bound compartment where class I molecules assemble. Mutations in this gene may be associated with ankylosing spondylitis, insulin-dependent diabetes mellitus, and celiac disease. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Synonyms:

ABC17; ABCB2; APT1; D6S114E; PSF-1; PSF1; RING4; TAP1 0102N; TAP1N

Note:

Immunogen sequence homology: Rat: 100%; Human: 100%; Mouse: 100%; Horse: 93%; Bovine: 92%; Rabbit: 92%; Pig: 86%; Guinea pig: 86%; Zebrafish: 83%

Protein Families:

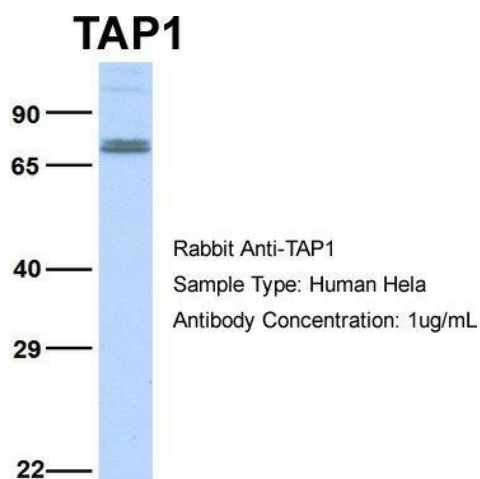
Druggable Genome, Transmembrane

Protein Pathways:

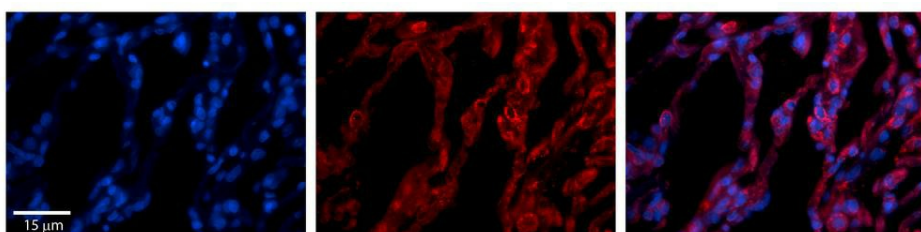
ABC transporters, Antigen processing and presentation, Primary immunodeficiency

Product images:

WB Suggested Anti-TAP1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive Control: MCF7 cell lysate



Host: Rabbit; Target Name: TAP1; Sample Tissue: HeLa; Antibody Dilution: 1.0ug/ml; TAP1 is supported by BioGPS gene expression data to be expressed in HeLa



Rabbit Anti-TAP1 Antibody; Formalin Fixed Paraffin Embedded Tissue: Human Lung Tissue; Observed Staining: Cytoplasmic in alveolar type I & II cells; Primary Antibody Concentration: 1: 100; Secondary Antibody: Donkey anti-Rabbit-Cy3; Secondary Antibody Con