

Rabbit TAP1 Polyclonal Antibody | anti-TAP1 antibody

TAP1 antibody - middle region

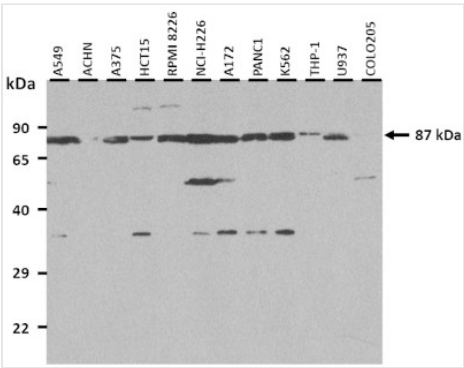
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199290	Rabbit	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Guinea Pig, Horse, Rabbit, Zebrafish	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

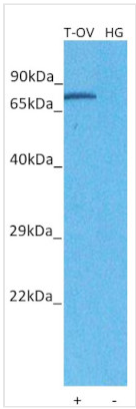
TAP1; Polyclonal Antibody; TAP1 antibody - middle region; anti-TAP1 antibody

PRODUCT SPECIFICATIONS

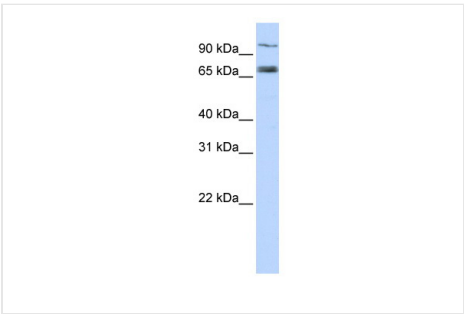
Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Guinea Pig, Horse, Rabbit, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/mL (varies by lot)
Sequence	Synthetic peptide located within the following region: LV TFVLYQMQFT QAVEVLLSIY PRVQKAVGSS EKIFEYLDRT PRCPPSGL
Sequence Length	808
Applicable Applications for anti-TAP1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human TAP1
Protein Size (# AA)	808 amino acids
Predicted Homology based on Immunogen Sequence	Cow: 92%; Guinea Pig: 86%; Horse: 93%; Human: 100%; Mouse: 100%; Rabbit: 92%; Rat: 100%; Zebrafish: 83%
Protein Interactions	UBC; MUL1; TDP2; SFXN1; GADD45GIP1; MRPL40; MCAT; SRSF3; SDHA; ABCD3; CYC1; PSMB8; TAPBP; TAP2; HLA-A; PDIA3; CALR; B2M; PDIA2; KRTAP4-12; MDFI; PSMB5; HLA-F; HLA-G; ESR1; COPG1; COPB1;
Enhanced Validation	Relative Expression (Western Blot)
Sample Type Confirmation	TAP1 is supported by BioGPS gene expression data to be expressed in HeLa
Blocking Peptide	For anti-TAP1 antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



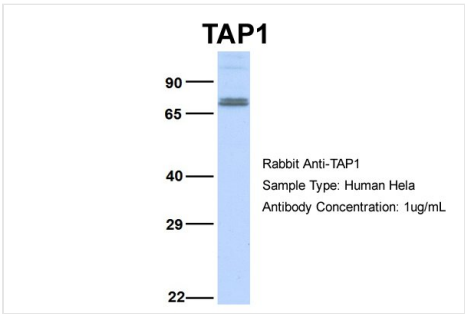
WB (Western Blot)
25 ug of the indicated Human whole cell extracts was loaded onto a 12% SDS-PAGE gel. 4 ug/mL of the antibody was used in this experiment. Recommended dilution for this antibody is 1-3 ug/mL.



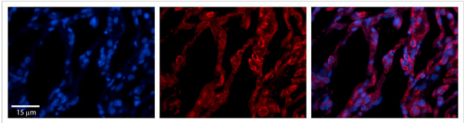
WB (Western Blot)
Host: RabbiTarget: TAP1Positive control (+): Human Ovary (OV) Negative control (-): HepG2 (HG)Antibody concentration: 4ug/ml.



WB (Western Blot)
WB Suggested Anti-TAP1 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:1562500Positive Control: MCF7 cell lysate



WB (Western Blot)
Host: RabbitTarget Name: TAP1Sample Type: HeLaAntibody Dilution: 1.0ug/mlTAP1 is supported by BioGPS gene expression data to be expressed in HeLa



IHC (Immunohistochemistry)
Rabbit Anti-TAP1 AntibodyFormalin Fixed Paraffin Embedded Tissue: Human Lung TissueObserved Staining: Cytoplasmic in alveolar type I & II cellsPrimary Antibody Concentration: 1:100Secondary Antibody: Donkey anti-Rabbit-Cy3Secondary Antibody Concentration: 1:200Magnification: 20XExposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-TAP1 antibody	This is a rabbit polyclonal antibody against TAP1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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.
Product Categories/Family for anti-TAP1 antibody	Polyclonal; Lymphocyte Signaling; Membrane Protein; Disease Related; DNA/RNA/Protein Interactions

NCBI AND UNIPROT INFORMATION

NCBI GI #	9665248
NCBI GeneID	6890
NCBI Accession #	NP_000584
NCBI GenBank Nucleotide #	NM_000593
UniProt Accession #	Q03518
Molecular Weight	87kDa
NCBI Official Full Name	antigen peptide transporter 1 isoform 1
NCBI Official Synonym Full Names	transporter 1, ATP binding cassette subfamily B member
NCBI Official Symbol	TAP1
NCBI Official Synonym Symbols	APT1; PSF1; ABC17; ABCB2; PSF-1; RING4; TAP1N; D6S114E; TAP1*0102N
NCBI Protein Information	antigen peptide transporter 1
UniProt Protein Name	Antigen peptide transporter 1
UniProt Gene Name	TAP1
UniProt Synonym Gene Names	ABCB2; PSF1; RING4; Y3; APT1; PSF-1
UniProt Entry Name	TAP1_HUMAN

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.