

Rabbit anti-Human TAP1 Polyclonal Antibody | anti-TAP1 antibody

TAP1 Antibody (C-term)

CATALOG # AAA289849	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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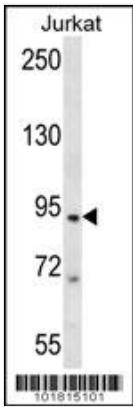
PRODUCT SYNONYMS

TAP1; Polyclonal Antibody; TAP1 Antibody (C-term); Antigen peptide transporter 1; APT1; ATP-binding cassette sub-family B member 2; Peptide supply factor 1; Peptide transporter PSF1; PSF-1; Peptide transporter TAP1; Peptide transporter involved in antigen processing 1; Really interesting new gene 4 protein; ABCB2; PSF1; RING4; Y3; anti-TAP1 antibody

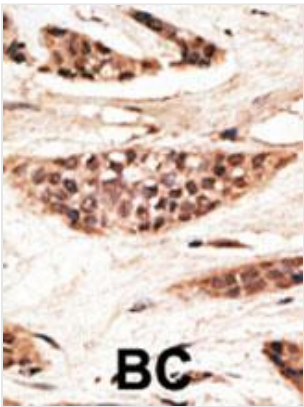
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 765-794 amino acids from the C-terminal region of human TAP1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	765-794
Sequence Length	808
Applicable Applications for anti-TAP1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
TAP1 Antibody (1795) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the TAP1 antibody detected the TAP1 protein (arrow).



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

ADDITIONAL INFORMATION

Related Product Information for anti-TAP1 antibody	TAP is an integral transmembrane protein involved in the transport of antigens from the cytoplasm to the endoplasmic reticulum for association with MHC class I molecules. It also acts as a molecular scaffold for the final stage of MHC class I folding, namely the binding of peptide. Nascent MHC class I molecules associate with TAP via tapasin. TAP is inhibited by the covalent attachment of herpes simplex virus ICP47 protein, which blocks the peptide-binding site of TAP. It is inhibited by human cytomegalovirus US6 glycoprotein, which binds to the luminal side of the TAP complex and inhibits peptide translocation by specifically blocking ATP-binding to TAP and prevents the conformational rearrangement of TAP induced by peptide binding. TAP is also inhibited by human adenovirus E3-19K glycoprotein, which binds the TAP complex and acts as a tapasin inhibitor, preventing MHC class I/TAP association. Expression of TAP is down-regulated by human Epstein-barr virus vIL-10 protein, thereby affecting the transport of peptides into the endoplasmic reticulum and subsequent peptide loading by MHC class I molecules. TAP1 and TAP2 form a heterodimer of TAP1 and TAP2, and the peptide-binding site is shared between the cytoplasmic loops of TAP1 and TAP2. TAP, inducible by interferon gamma, belongs to the ABC transporter family, MDR subfamily.
Product Categories/Family for anti-TAP1 antibody	Signal Transduction
References	Lajoie, J., et al., Hum. Immunol. 64(8):823-829 (2003). Gaudet, R., et al., EMBO J. 20(17):4964-4972 (2001). Tang, J., et al., Hum. Immunol. 62(3):256-268 (2001). Hewitt, E.W., et al., EMBO J. 20(3):387-396 (2001). Bennett, E.M., et al., J. Immunol. 162(9):5049-5052 (1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	9665248
NCBI GeneID	6890
NCBI Accession #	NP_000584.2
NCBI GenBank Nucleotide #	NM_000593.5
UniProt Accession #	Q03518; Q16149; Q96CP4
Molecular Weight	87218
NCBI Official Full Name	antigen peptide transporter 1 isoform 1
NCBI Official Synonym Full Names	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tap1-antibody-western-blot-immunohistochemistry-elisa/289849>