

anti-Human TAP1 Polyclonal Antibody | anti-TAP1 antibody

Anti-TAP1 Antibody

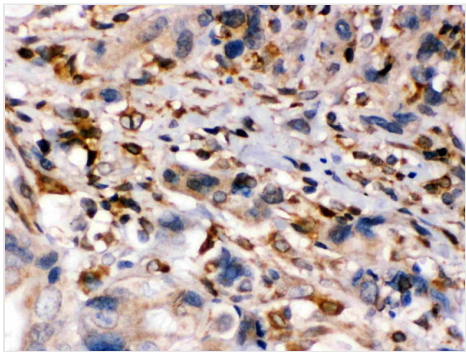
CATALOG # AAA46326	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

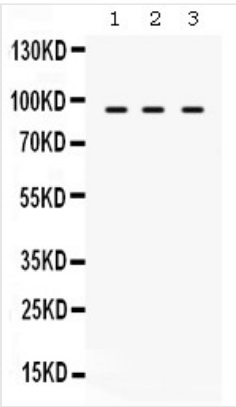
TAP1; Polyclonal Antibody; Anti-TAP1 Antibody; Antigen peptide transporter 1; ABC 17; ABC transporter MHC 1; ABC17; ABCB 2; ABCB2; APT 1; APT1; ATP binding cassette sub family B (MDR/TAP) member 2; ATP binding cassette sub family B member 2; ATP binding cassette transporter; ATP-binding cassette sub-family B member 2; D6S114E; FLJ26666; FLJ41500; Peptide supply factor 1; Peptide transporter involved in antigen processing 1; Peptide transporter PSF 1; Peptide transporter PSF1; Peptide transporter TAP 1; Peptide transporter TAP1; PSF 1; PSF-1; PSF1; Really interesting new gene 4 protein; RING 4; RING4; TAP 1; TAP1*0102N; TAP1_HUMAN; TAP1N; Transporter 1 ATP binding cassette sub family B (MDR/TAP); Transporter 1 ATP binding cassette sub family B; Transporter associated with antigen processing; Transporter ATP binding cassette major histocompatibility complex 1; Y3; transporter 1; ATP-binding cassette; sub-family B (MDR/TAP); anti-TAP1 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	808
Applicable Applications for anti-TAP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human TAP1 (438-471aa RSFANEEGEAQKFREKLQEIKTLNQKEAVAYAVN), different from the related mouse sequence by eight amino acids, and from the related rat sequence by nine amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Anti- TAP1 Picoband antibody, AAA46326, IHC(P)IHC(P): Human Intestinal Cancer Tissue



WB (Western Blot)
Anti- TAP1 Picoband antibody, AAA46326, Western blottingAll lanes: Anti TAP1 (AAA46326) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: HUT Whole Cell Lysate at 40ugLane 3: SW620 Whole Cell Lysate at 40ugPredicted bind size: 87KDObserved bind size: 87KD

ADDITIONAL INFORMATION

Related Product Information for anti-TAP1 antibody	Description: Rabbit IgG polyclonal antibody for Antigen peptide transporter 1(TAP1) detection. Tested with WB, IHC-P in Human. Background: Transporter associated with Antigen Processing 1 is a protein that in humans is encoded by the TAP1 gene. 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. And 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. Two transcript variants encoding different isoforms have been found for this gene.
References	1. "Entrez Gene: TAP1 transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)". 2. Bahram S, Arnold D, Bresnahan M, Strominger JL, Spies T (Dec 1991). "Two putative subunits of a peptide pump encoded in the human major histocompatibility complex class II region". Proc Natl Acad Sci U S A 88 (22): 10094-8. 3. Bodmer JG, Marsh SG, Albert ED, Bodmer WF, Dupont B, Erlich HA, Mach B, Mayr WR, Parham P, Sasazuki T (Oct 1992). "Nomenclature for factors of the HLA system, 1991. WHO Nomenclature Committee for factors of the HLA system". Tissue Antigens 39 (4): 161-73.

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	87,218 Da
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-immunohistochemistry-western-blot-elisa/46326>