Datasheet for ABIN2781498

anti-TAP1 antibody (Middle Region)

3 Images

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Overview

Quantity:	100 µL
Target:	TAP1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TAP1
Sequence:	LVTFVLYQMQ FTQAVEVLLS IYPRVQKAVG SSEKIFEYLD RTPRCPPSGL
Predicted Reactivity:	Cow: 92%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 92%, Rat: 100%, Zebrafish: 83%
Characteristics:	This is a rabbit polyclonal antibody against TAP1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	TAP1

Target Details

Alternative Name:	TAP1 (TAP1 Products)
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. Alias Symbols: ABC17, ABCB2, APT1, D6S114E, FLJ26666, FLJ41500, PSF1, RING4, TAP1*0102N, TAP1N, PSF-1 Protein Interaction Partner: 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, Protein Size: 808
Molecular Weight:	87 kDa
Gene ID:	6890
NCBI Accession:	NM_000593, NP_000584
UniProt:	Q03518
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Human Leukocyte Antigen (HLA) in Adaptive Immune Response

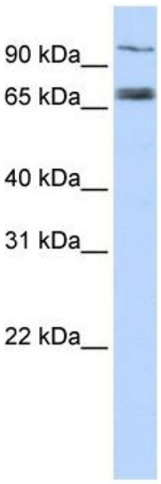
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 808 AA
Restrictions:	For Research Use only

Handling

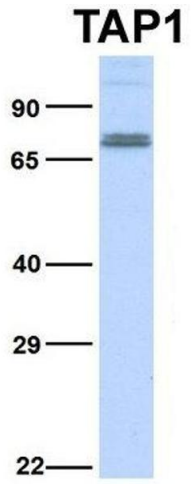
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	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.

Images



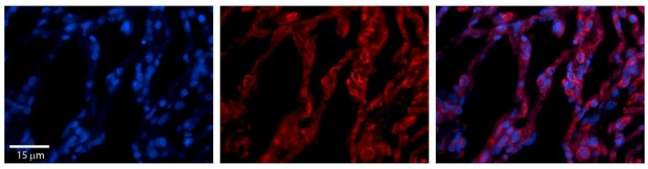
Western Blotting

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



Western Blotting

Image 2. Host: Rabbit Target Name: TAP1 Sample Type: Hela Antibody Dilution: 1.0ug/ml TAP1 is supported by BioGPS gene expression data to be expressed in HeLa



Immunohistochemistry

Image 3. 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 Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec

