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Datasheet for ABIN7144328
anti-TAP1 antibody (AA 524-808)

3 Images

Overview

Quantity:	100 µL
Target:	TAP1
Binding Specificity:	AA 524-808
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAP1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Antigen peptide transporter 1 protein (524-808AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	TAP1
Alternative Name:	TAP1 (TAP1 Products)
Background:	Background: Involved in the transport of antigens from the cytoplasm to the endoplasmic reticulum for association with MHC class I molecules. Also acts as a molecular scaffold for the

Target Details

final stage of MHC class I folding, namely the binding of peptide. Nascent MHC class I molecules associate with TAP via tapasin. Inhibited by the covalent attachment of herpes simplex virus ICP47 protein, which blocks the peptide-binding site of TAP. 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 TAP1 and prevents the conformational rearrangement of TAP induced by peptide binding. 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 TAP1 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.

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

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: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

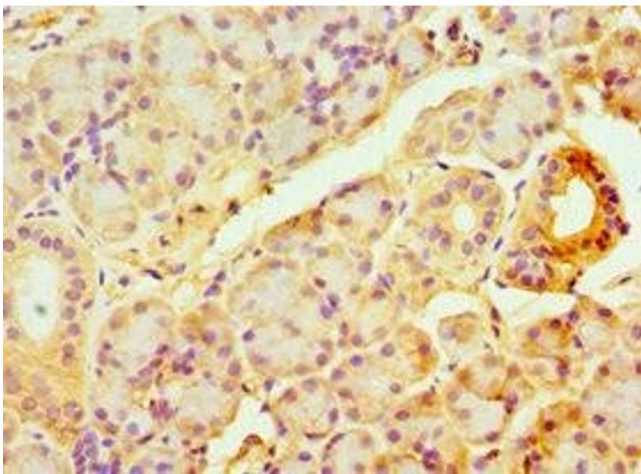
Handling

Format: Liquid

Handling

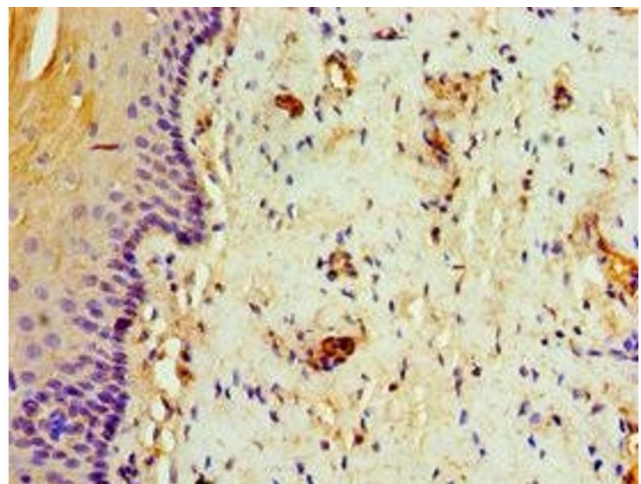
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



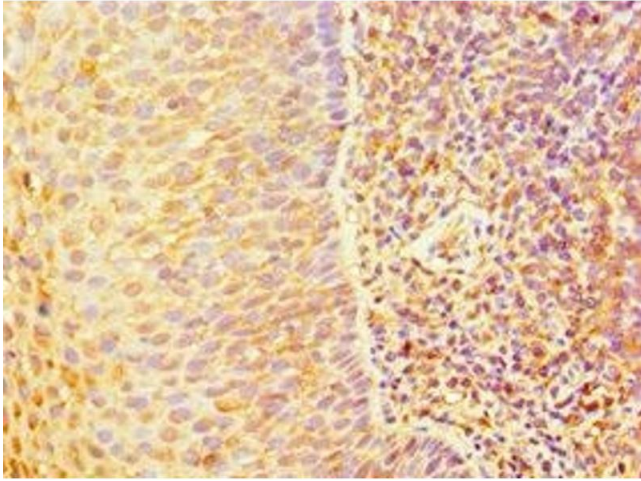
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human pancreatic tissue using ABIN7144328 at dilution of 1:100



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human cervical cancer using ABIN7144328 at dilution of 1:100



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human tonsil tissue using ABIN7144328 at dilution of 1:100