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Datasheet for ABIN7144330

**anti-TAP2 antibody (AA 473-615) (Biotin)**

## Overview

Quantity:	100 µg
Target:	TAP2
Binding Specificity:	AA 473-615
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAP2 antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Antigen peptide transporter 2 protein (473-615AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	TAP2
Alternative Name:	TAP2 ( <a href="#">TAP2 Products</a> )
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.

Aliases: ABC transporter, MHC 2 antibody, ABC18 antibody, ABCB3 antibody, Antigen peptide transporter 2 antibody, APT2 antibody, ATP binding cassette, sub family B (MDR/TAP), member 3 antibody, ATP-binding cassette sub-family B member 3 antibody, D6S217E antibody, Peptide supply factor 2 antibody, Peptide transporter involved in antigen processing 2 antibody, Peptide transporter PSF2 antibody, Peptide transporter TAP2 antibody, PSF 2 antibody, PSF-2 antibody, PSF2 antibody, Really interesting new gene 11 protein antibody, RING 11 antibody, RING11 antibody, TAP 2 antibody, Tap2 antibody, TAP2\_HUMAN antibody, Transporter 2 ATP binding cassette sub family B antibody, Transporter 2, ABC (ATP binding cassette antibody, Transporter 2, ATP binding cassette, sub family B (MDR/TAP) antibody

UniProt: [Q03519](#)

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 dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

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Storage: -20 °C, -80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.