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Datasheet for ABIN6243497 anti-TAP2 antibody (AA 100-134)

2 Images



Overview

Quantity:	200 µL
Target:	TAP2
Binding Specificity:	AA 100-134
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAP2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This TAP2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 100-134 amino acids from the human region of human TAP2.
Clone:	RB56970
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	TAP2
Alternative Name:	TAP2 (TAP2 Products)
Background:	Involved in the transport of antigens from the cytoplasm to the endoplasmic reticulum for

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class I/TAP association.
glycoprotein, which binds the TAP complex and acts as a tapasin inhibitor, preventing MHC
rearrangement of TAP induced by peptide binding. Inhibited by human adenovirus E3-19K
translocation by specifically blocking ATP-binding to TAP1 and prevents the conformational
glycoprotein, which binds to the lumenal side of the TAP complex and inhibits peptide
protein, which blocks the peptide-binding site of TAP. Inhibited by human cytomegalovirus US6
with TAP via tapasin. Inhibited by the covalent attachment of herpes simplex virus ICP47
MHC class I folding, namely the binding of peptide. Nascent MHC class I molecules associate
association with MHC class I molecules. Also acts as a molecular scaffold for the final stage of

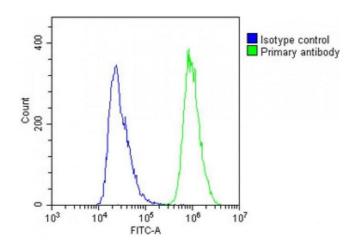
Molecular Weight:	75664
UniProt:	Q03519
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process,
	Human Leukocyte Antigen (HLA) in Adaptive Immune Response

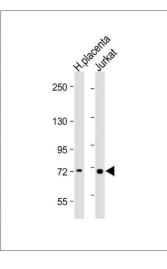
Application Details

Application Notes:	WB: 1:2000. FC: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Expiry Date:	6 months





Flow Cytometry

Image 1. Overlay histogram showing A431 cells stained with (ABIN6243497 and ABIN6578852)(green line). The cells were fixed with 2 % paraformaldehyde and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at Room temperature. Isotype control antibody (blue line) was rabbit IgG1 (1 μ g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

Western Blotting

Image 2. All lanes : Anti-T Antibody (N-Term) at 1:2000 dilution Lane 1: Human placenta lysate Lane 2: Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 76 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

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