

Datasheet for ABIN3043943
anti-TAP1 antibody (Middle Region)

2 Images

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Overview

Quantity:	100 µg
Target:	TAP1
Binding Specificity:	AA 438-471, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Antigen peptide transporter 1(TAP1) detection. Tested with WB, IHC-P in Human.
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.
Sequence:	RSFANEEGEA QKFREKLQEI KTLNQKEAVA YAVN
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Antigen peptide transporter 1(TAP1) detection. Tested with WB, IHC-P in Human.</p> <p>Gene Name: transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)</p> <p>Protein Name: Antigen peptide transporter 1</p>

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: TAP1

Alternative Name: TAP1 ([TAP1 Products](#))

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.

Synonyms: 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

Gene ID: 6890

UniProt: [Q03518](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#),

Target Details

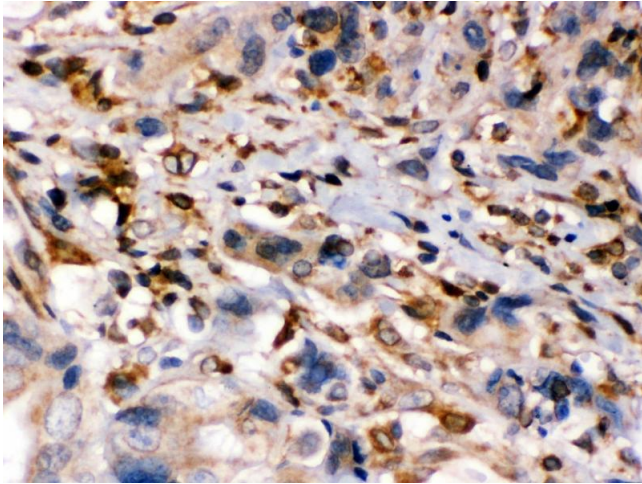
Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

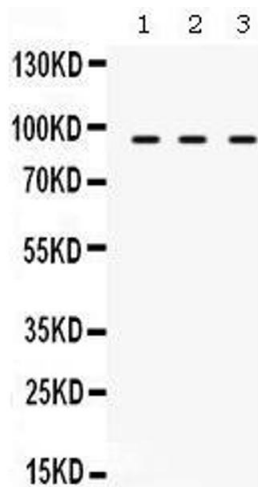
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.



Immunohistochemistry

Image 1. Anti- TAP1 Picoband antibody, IHC(P) IHC(P):
Human Intestinal Cancer Tissue



Western Blotting

Image 2.