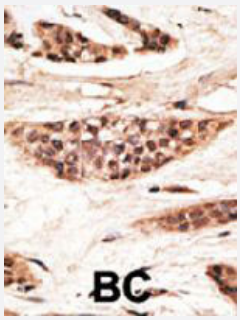
# TAP1 polyclonal antibody

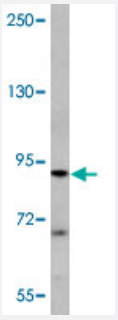
Catalog # PAB4832 Size 400 uL

## Applications




### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with TAP1 polyclonal antibody (Cat # PAB4832) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated. BC = breast carcinoma.




### Western Blot (Cell lysate)

Western blot analysis of Jurkat cell lysate (35 ug/lane) with TAP1 polyclonal antibody (Cat # PAB4832).

## Specification

| | |
|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against synthetic peptide of TAP1. |
| **Immunogen** | A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human TAP1. |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Protein G purification |

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| | |
|---|---|
| **Recommend Usage** | ELISA (1:1000)<br>Western Blot (1:50-100)<br>Immunohistochemistry (1:50-100)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS (0.09% sodium azide) |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Formalin-fixed and paraffin-embedded human cancer tissue reacted with TAP1 polyclonal antibody (Cat # PAB4832) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated. BC = breast carcinoma.

- Western Blot (Cell lysate)

  Western blot analysis of Jurkat cell lysate (35 ug/lane) with TAP1 polyclonal antibody (Cat # PAB4832).

## Gene Info — TAP1

| | |
|---|---|
| **Entrez GeneID** | 6890 |
| **Protein Accession#** | A41538;Q96CP4 |
| **Gene Name** | TAP1 |
| **Gene Alias** | ABC17, ABCB2, APT1, D6S114E, FLJ26666, FLJ41500, PSF1, RING4, TAP1*0102N, TAP1N |
| **Gene Description** | transporter 1, ATP-binding cassette, sub-family B (MDR/TAP) |
| **Omim ID** | 170260 604571 |
| **Gene Ontology** | Hyperlink |

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| | |
|---|---|
| **Gene Summary** | 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. [provided by RefSeq |
| **Other Designations** | ABC transporter, MHC 1\|ATP-binding cassette transporter\|ATP-binding cassette, sub-family B (MDR/TAP), member 2\|ATP-binding cassette, sub-family B, member 2\|OTTHUMP00000029077\|antigen peptide transporter 1\|peptide supply factor 1\|transporter 1, ATP-binding |

## Publication Reference


- Novel TAP1 polymorphisms in indigenous Zimbabweans: their potential implications on TAP function and in human diseases.

  Lajoie J, Zijenah LS, Faucher MC, Ward BJ, Roger M.

  Human Immunology 2003 Aug; 64(8):823.

- Structure of the ABC ATPase domain of human TAP1, the transporter associated with antigen processing.

  Gaudet R, Wiley DC.

  The EMBO Journal 2001 Sep; 20(17):4964.

- TAPI polymorphisms in several human ethnic groups: characteristics, evolution, and genotyping strategies.

  Tang J, Freedman DO, Allen S, Karita E, Musonda R, Braga C, Margolick J, Kaslow RA.

  Human Immunology 2001 Mar; 62(3):256.


## Pathway

- ABC transporters
- Antigen processing and presentation
- Primary immunodeficiency

## Disease

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- Alveolitis
- Arthritis
- Asthma
- Behcet Syndrome
- Bronchial Hyperreactivity
- Bronchiectasis
- Bronchiolitis
- Bronchopulmonary Dysplasia
- Brucellosis
- Cardiovascular Diseases
- Cervical Intraepithelial Neoplasia
- Chorioamnionitis
- Chronic Disease
- Cystic fibrosis
- Dengue
- Dengue Hemorrhagic Fever
- Dermatitis
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Diseases in Twins
- Echinococcosis
- Edema
- Epilepsy
- Fetal Membranes
- Genetic Predisposition to Disease

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- Glaucoma
- Graves Disease
- Hepatitis B
- Hepatitis C
- HIV Seropositivity
- Hypersensitivity
- Hypertension
- Infant
- Inflammation
- Lupus Erythematosus
- Malaria
- Measles
- Metabolic Syndrome X
- Myoclonic Epilepsy
- Nasopharyngeal Neoplasms
- Obstetric Labor
- Papillomavirus Infections
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Psoriasis
- Recurrence
- Respiratory Syncytial Virus Infections
- Rhinitis
- Schizophrenia
- Scleroderma

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- Spondylitis
- Tuberculosis
- Urinary Calculi
- Uterine Cervical Neoplasms

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