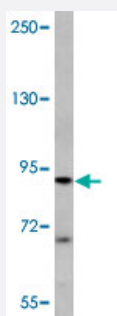


TAP1 polyclonal antibody

Catalog # PAB4832

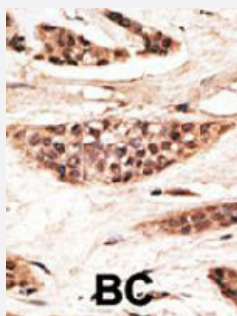
Size 400 uL

Applications



Western Blot (Cell lysate)

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



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.

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

Recommend Usage	ELISA (1:1000) Western Blot (1:50-100) Immunohistochemistry (1:50-100) 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. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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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

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.

- [TAP1 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

- [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](#)

- [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](#)

- [Spondylitis](#)
- [Tuberculosis](#)
- [Urinary Calculi](#)
- [Uterine Cervical Neoplasms](#)