

For Research Use Only

TAP1 Monoclonal antibody

Catalog Number: 68412-1-Ig



Basic Information

Catalog Number: 68412-1-Ig	GenBank Accession Number: BC014081	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6890	CloneNo.: 1B8A7
Source: Mouse	Full Name: transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:500-1:2000
Isotype: IgG2b	Calculated MW: 81 kDa	
Immunogen Catalog Number: AG21303	Observed MW: 70 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

Human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A2780 cells, SW 1990 cells, HeLa cells, MDA-MB-231 cells, HaCaT cells, THP-1 cells, Daudi cells, Ramos cells, Raji cells

IHC : human pancreas cancer tissue,

IF : HepG2 cells,

Background Information

TAP1, also known as ABCB2, PSF1 or RING4, is a member of the ATP-binding cassette (ABC) family of transmembrane transporters and is an essential component of the major histocompatibility complex (MHC) class I antigen-presenting pathway. TAP is involved in the transport of antigens from the cytoplasm to the endoplasmic reticulum for association with MHC class I molecules. It also acts as a molecular scaffold for the final stage of MHC class I folding. Defects in TAP1 are a cause of bare lymphocyte syndrome type 1 (BLS1). Western blot analysis using this antibody detected a major band around 70 kDa.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

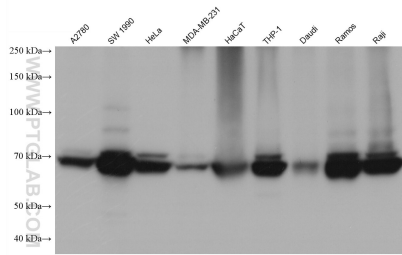
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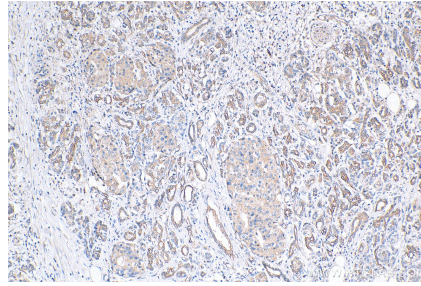
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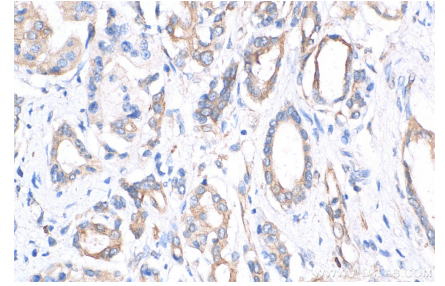
Selected Validation Data



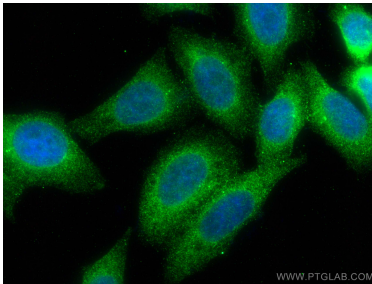
Various lysates were subjected to SDS PAGE followed by western blot with 68412-1-Ig (TAP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 68412-1-Ig (TAP1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 68412-1-Ig (TAP1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TAP1 antibody (68412-1-Ig, Clone: 1B8A7) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).