

For Research Use Only

TAP2 Polyclonal antibody

Catalog Number: 10161-1-AP



Basic Information

Catalog Number:

10161-1-AP

Size:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0190

GenBank Accession Number:

BC002751

GeneID (NCBI):

6891

UNIPROT ID:

Q03519

Full Name:

transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)

Calculated MW:

76 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, 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 : MCF-7 cells, SH-SY5Y cells

IHC : human intrahepatic cholangiocarcinoma tissue, human ovary cancer tissue

Background Information

TAP2, also known as APT2, ABCB3, is a member of the superfamily of ATP-binding cassette (ABC) transporters. TAP2 mediates unidirectional translocation of peptide antigens from cytosol to endoplasmic reticulum (ER) for loading onto MHC class I (MHCI) molecules (PMID: 25656091). Mutations in TAP2 may be associated with Bare lymphocyte syndrome 1 (BLS1) and schizophrenia (PMID: 7517574, 24365204).

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

For technical support and original validation data for this product please contact:

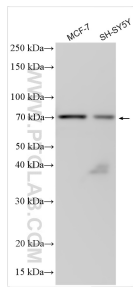
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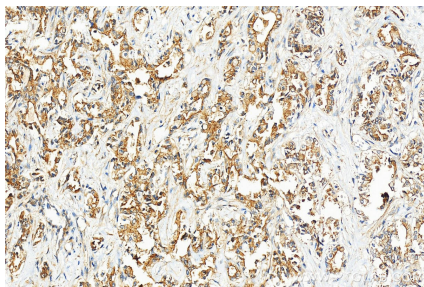
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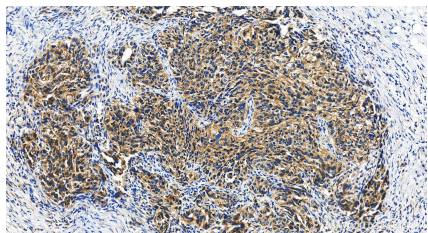
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10161-1-AP (TAP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 10161-1-AP (TAP2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 10161-1-AP (TAP2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).