Product Datasheet

TAP2 Antibody

Catalog No: #32339

Package Size: #32339-1 50ul #32339-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

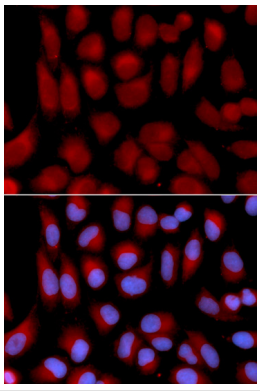
Description

Product Name	TAP2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total TAP2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human TAP2.
Target Name	TAP2
Other Names	APT2; PSF2; ABC18; ABCB3; PSF-2
Accession No.	Swiss-Prot:Q03519NCBI Gene ID:6891
Uniprot	Q03519
GeneID	6891;
SDS-PAGE MW	76KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

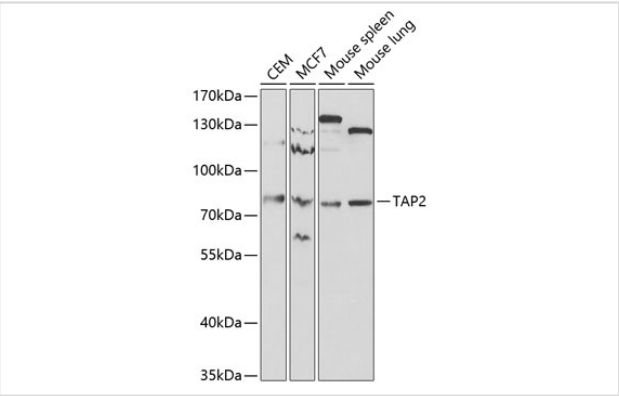
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

Images



Immunofluorescence analysis of U2OS cells using TAP2 .
Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using TAP2 at 1:1000 dilution.

Background

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. This gene is located 7 kb telomeric to gene family member ABCB2. The protein encoded by this gene is involved in antigen presentation. This protein forms a heterodimer with ABCB2 in order to transport peptides from the cytoplasm to the endoplasmic reticulum. Mutations in this gene may be associated with ankylosing spondylitis, insulin-dependent diabetes mellitus, and celiac disease. Alternative splicing of this gene produces two products which differ in peptide selectivity and level of restoration of surface expression of MHC class I molecules.

Note: This product is for in vitro research use only