Datasheet for ABIN680123

anti-TAP2 antibody (AA 451-550)

3 Images

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Overview

Quantity:	100 µL
Target:	TAP2
Binding Specificity:	AA 451-550
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TAP2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	TAP2

Target Details

Alternative Name:	TAP2/ABCB3 (TAP2 Products)
Background:	Synonyms: Uncharacterized protein C9orf172, C9orf172 Background: TAP is an integral transmembrane protein involved in the transport of antigens from the cytoplasm to the endoplasmic reticulum for association with MHC class I molecules. It is a heterodimer of TAP1 and TAP2, and the peptide-binding site is shared between the cytoplasmic loops of TAP1 and TAP2. TAP is inducible by interferon gamma and belongs to the ABC transporter family, MDR subfamily. TAP also acts as a molecular scaffold for the final stage of MHC class I folding, namely the binding of peptide. Nascent MHC class I molecules associate with TAP via tapasin. TAP is inhibited by the covalent attachment of herpes simplex virus ICP47 protein, which blocks the peptide-binding site of TAP. It is inhibited by human cytomegalovirus US6 glycoprotein, which binds to the lumenal side of the TAP complex and inhibits peptide translocation by specifically blocking ATP-binding to TAP and prevents the conformational rearrangement of TAP induced by peptide binding.
Gene ID:	389813
UniProt:	C9J069
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

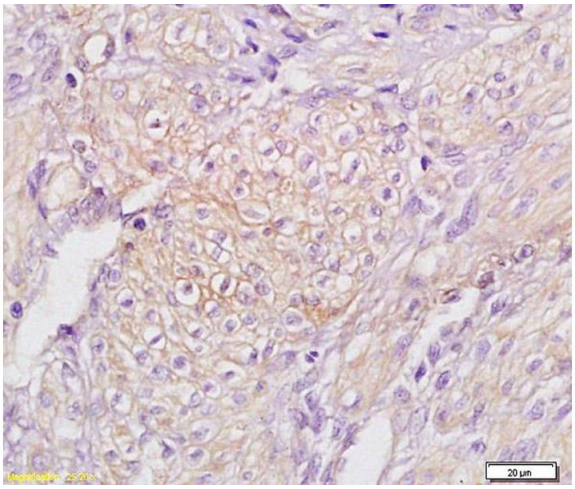
Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

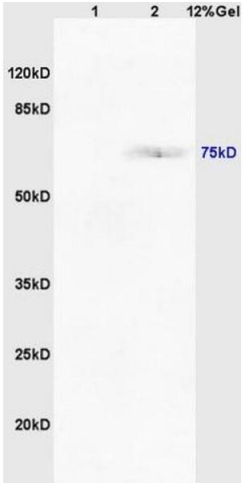
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



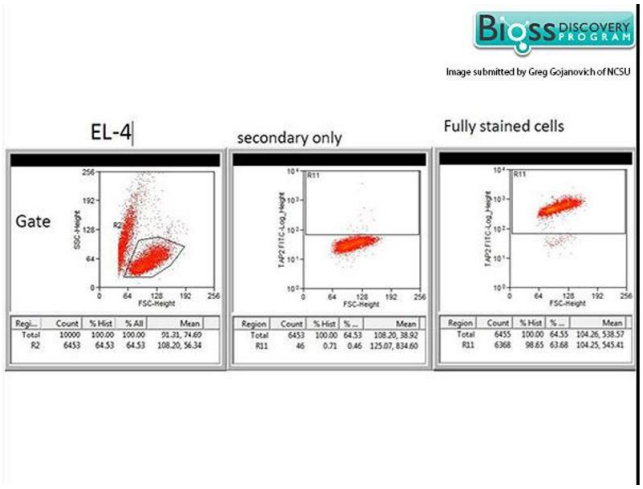
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human endometrial carcinoma labeled with Anti TAP2/ABCB3 Polyclonal Antibody,Unconjugated (ABIN680123) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



SDS-PAGE

Image 2. Lane 1: mouse intestine lysates Lane 2: mouse lung lysates probed with Anti TAP2/ABCB3 Polyclonal Antibody, Unconjugated (ABIN680123) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 75kD. Observed band size: 75kD.



Flow Cytometry

Image 3. Fixed and permeabilized EL-4 cells were labeled with Rabbit Anti- TAP2/ABCB3 Polyclonal Antibody, Unconjugated (ABIN680123) at 1:200 followed by conjugation to the secondary antibody Goat Anti-Rabbit IgG FITC conjugated Secondary Antibody at 1:200 dilution.