SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-TAP2 antibody

Catalog Number: SL2374R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	TAP2
Immunogen:	KLH conjugated synthetic peptide derived from human TAP2: 451-550/686
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	Flow-Cyt=1μg/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Pig,Cow,Horse,Rabbit)
Predicted MW.:	75kDa
Subcellular Location:	The cell membrane
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.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Subunit: Heterodimer of TAP1 and TAP2. Interacts with Epstein-Barr virus BLNF2a. **Subcellular Location:** Membrane; Multi-pass membrane protein. **Similarity:** Belongs to the ABC transporter superfamily. ABCB family. MHC peptide exporter (TC 3.A.1.209) subfamily. Contains 1 ABC transmembrane type-1 domain. Contains 1 ABC transporter domain. **Database links:** **Entrez Gene:** 6891 ?/span>Human Omim: 170261 ?/span>Human **SwissProt:** Q03519 ?/span>Human **Unigene:** 502 ?/span>Human

[VALIDATION IMAGES]

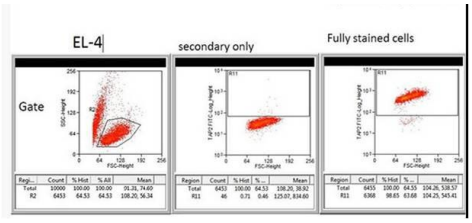


Figure 1. Fixed and permeabilized EL-4 cells were labeled with Rabbit Anti- TAP2/ABCB3 Polyclonal Antibody, Unconjugated (SL2374R) at 1:200 followed by conjugation to the secondary antibody Goat Anti-Rabbit IgG FITC conjugated Secondary Antibody at 1:200 dilution

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