

Product datasheet for **TA356533**

Tapasin (TAPBP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human TAPBP
Specificity:	Expected reactivity: Cow, Human, Pig, Sheep Homology: Cow: 86%; Human: 100%; Pig: 86%; Sheep: 86%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	46kDa
Gene Name:	TAP binding protein (tapasin)
Database Link:	NP_003181 Entrez Gene 6892 Human O15533



[View online »](#)

Background:

TAPBP is a transmembrane glycoprotein which mediates interaction between newly assembled major histocompatibility complex (MHC) class I molecules and the transporter associated with antigen processing (TAP), which is required for the transport of antigenic peptides across the endoplasmic reticulum membrane. This interaction is essential for optimal peptide loading on the MHC class I molecule. Up to four complexes of MHC class I and this protein may be bound to a single TAP molecule. This protein contains a C-terminal double-lysine motif (KKKAE) known to maintain membrane proteins in the endoplasmic reticulum. This gene encodes a transmembrane glycoprotein which mediates interaction between newly assembled major histocompatibility complex (MHC) class I molecules and the transporter associated with antigen processing (TAP), which is required for the transport of antigenic peptides across the endoplasmic reticulum membrane. This interaction is essential for optimal peptide loading on the MHC class I molecule. Up to four complexes of MHC class I and this protein may be bound to a single TAP molecule. This protein contains a C-terminal double-lysine motif (KKKAE) known to maintain membrane proteins in the endoplasmic reticulum. This gene lies within the major histocompatibility complex on chromosome 6. Alternative splicing results in three transcript variants encoding different isoforms.

Synonyms:

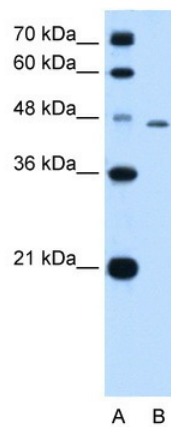
NGS17; TAPA; TPN; TPSN

Protein Families:

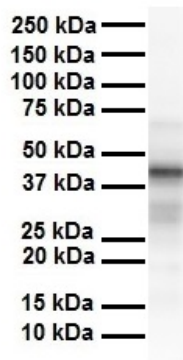
Druggable Genome, Transmembrane

Protein Pathways:

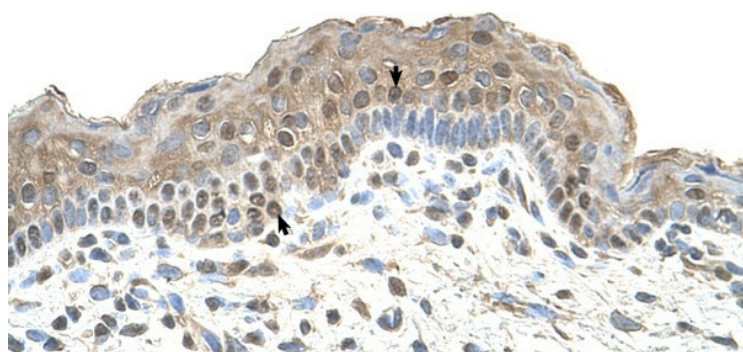
Antigen processing and presentation

Product images:


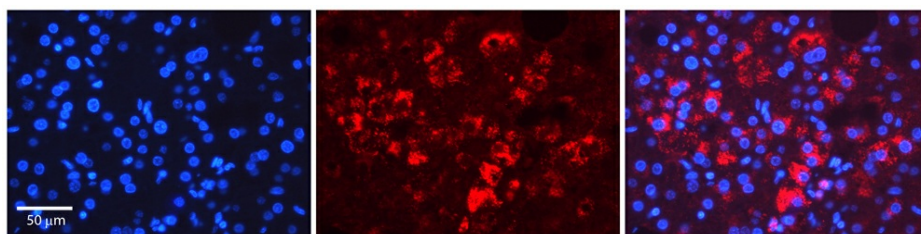
WB Suggested Anti-TAPBP Antibody Titration:
0.5ug/ml
Positive Control: HepG2 cell lysate



WB Suggested Anti-TAPBP antibody Titration: 1 ug/mL
Sample Type: Human liver



Human Skin



Rabbit Anti-TAPBP Antibody
Catalog Number: TA356533
Formalin Fixed Paraffin Embedded Tissue:
Human Adult liver
Observed Staining: Cytoplasmic
Primary Antibody Concentration: 1:600
Secondary Antibody: Donkey anti-Rabbit-Cy2/3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5–2.0 sec
Protocol located in Reviews and Data.