

## Product datasheet for **AP46045PU-N**

### Tapasin (TAPBP) (N-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blotting (0.2 - 1 µg/ml).
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide directed towards the N-terminal of human TAPBP
Formulation:	State: Aff - Purified State: 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>
Purification:	Immunoaffinity column
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	TAPBP: 30 kDa
Gene Name:	TAP binding protein (tapasin)
Database Link:	<a href="#">NP_757345</a> <a href="#">Entrez Gene 6892 Human</a> <a href="#">O15533</a>
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.



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**Synonyms:** TPSN, TPN, TAPA, NGS17, NGS-17

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Antigen processing and presentation

### Product images:



Human 293T; WB Suggested Anti-TAPBP Antibody Titration: 0.2-1 ug/ml. Positive Control: 293T cell lysate; TAPBP antibody - N-terminal region (AP46045PU-N) in Human 293T cells using Western Blot