

TAPBP Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18702a**Specification**

TAPBP Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O15533](#)**TAPBP Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 6892**Other Names**

Tapasin, TPN, TPSN, NGS-17, TAP-associated protein, TAP-binding protein, TAPBP, NGS17, TAPA

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TAPBP Antibody (N-term) Blocking Peptide - Protein Information**Name** TAPBP ([HGNC:11566](#))**Synonyms** NGS17, TAPA**Function**

Involved in the association of MHC class I with transporter associated with antigen processing (TAP) and in the assembly of MHC class I with peptide (peptide loading).

Cellular Location

Endoplasmic reticulum membrane; Single-pass type I membrane protein

Tissue Location

Neutrophils, mostly in fully differentiated cells.

TAPBP Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

TAPBP Antibody (N-term) Blocking Peptide - Images**TAPBP Antibody (N-term) Blocking Peptide - Background**

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.

TAPBP Antibody (N-term) Blocking Peptide - References

Jiang, Q., et al. Tumour Biol. 31(5):451-459(2010) Rizvi, S.M., et al. Traffic 11(3):332-347(2010) Praveen, P.V., et al. Eur. J. Immunol. 40(1):214-224(2010) Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) :Lindquist, J.A., et al. EMBO J. 17(8):2186-2195(1998)