10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TAPBP Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP18702a

Specification

TAPBP Antibody (N-term) Blocking Peptide - Product Information

Primary 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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TAPBP Antibody (N-term) Blocking Peptide - Images

TAPBP Antibody (N-term) Blocking Peptide - Background

This gene encodes a transmembrane glycoprotein whichmediates interaction between newly assembled majorhistocompatibility complex (MHC) class I molecules and thetransporter associated with antigen processing (TAP), which isrequired for the transport of antigenic peptides across theendoplasmic reticulum membrane. This interaction is essential foroptimal peptide loading on the MHC class I molecule. Up to fourcomplexes of MHC class I and this protein may be bound to a singleTAP molecule. This protein contains a C-terminal double-lysinemotif (KKKAE) known to maintain membrane proteins in theendoplasmic reticulum. This gene lies within the majorhistocompatibility complex on chromosome 6. Alternative splicingresults 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)