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TAPBP Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18702a

Specification

TAPBP Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O15533
Other Accession	NP_003181.3
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**47571**
Antigen Region	**42-70**

TAPBP Antibody (N-term) - Additional Information

Gene ID 6892

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

Target/Specificity
This TAPBP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 42-70 amino acids from the N-terminal region of human TAPBP.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TAPBP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TAPBP Antibody (N-term) - 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

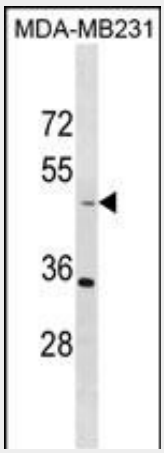
Tissue Location
Neutrophils, mostly in fully differentiated cells.

TAPBP Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TAPBP Antibody (N-term) - Images



TAPBP Antibody (N-term) (Cat. #AP18702a) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the TAPBP antibody detected the TAPBP protein (arrow).

TAPBP Antibody (N-term) - 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) - 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)

TAPBP Antibody (N-term) - Citations

- Host cell protein PSMB10 interacts with viral NS3 protein and inhibits the growth of classical swine fever virus.