TPSN Polyclonal Antibody

Catalog No	BYab-06267
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	TAPBP NGS17 TAPA
Protein Name	Tapasin (TPN) (TPSN) (NGS-17) (TAP-associated protein) (TAP-binding protein)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	TPSN Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	49kD
Cell Pathway	Endoplasmic reticulum membrane ; Single-pass type I membrane protein .
Tissue Specificity	Neutrophils, mostly in fully differentiated cells.
Function	domain:The N-terminus is required for efficient association with MHC class I molecule and for a stable interaction between MHC I and calreticulin. Binding to TAP is mediated by the C-terminus region.,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).,online information:TAPBP mutation db,polymorphism:The 2 alleles of TAPBP; TAPBP*01 (Tapasin*01) (shown here) and TAPBP*02 (Tapasin*02); are in linkage disequilibria with the HLA-DRB1 locus in a Japanese population.,similarity:Contains 1 Ig-like C1-type (immunoglobulin-like) domain.,subunit:Interacts with TAP1 and is thus a subunit of the TAP complex. Interaction with TAP1 is TAP2 independent and is required for efficient peptide-TAP interaction. Obligatory mediator for the interaction between newly

	assembled MHC class
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. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images