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Product datasheet for TA356532

Tapasin (TAPBP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TAPBP
Specificity:	**Expected reactivity**: Dog, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep **Homology**: Dog: 93%; Horse: 93%; Human: 100%; Mouse: 79%; Pig: 93%; Rabbit: 93%; Rat: 86%; Sheep: 79%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	30kDa
Gene Name:	TAP binding protein (tapasin)
Database Link:	NP_757345 Entrez Gene 6892 Human O15533

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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.
Synonyms:	NGS17; TAPA; TPN; TPSN
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Antigen processing and presentation