



Anti-TAPBP (aa 430-448) polyclonal antibody (CABT-BL3509)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Synthetic peptide: LGWAAVYLSTCKDSKKKAE, corresponding to amino acids 430-448 of Human Tapasin.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Whole antiserum
Conjugate	Unconjugated
Applications	WB, IP
Cellular Localization	Endoplasmic reticulum membrane.
Format	Liquid
Size	100 µl
Buffer	Whole Serum
Preservative	None
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

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.

GENE INFORMATION

Entrez Gene ID	6892
Protein Refseq	NP_757346
UniProt ID	A0A024RCT1
