Datasheet for ABIN2782218

anti-TAPBP antibody (C-Term)

5 Images

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Overview

Quantity:	100 µL
Target:	TAPBP
Binding Specificity:	C-Term
Reactivity:	Human, Sheep, Cow, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAPBP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human TAPBP
Sequence:	GEAPPELLCL VSHFYPSGGL EVEWELRGGP GGRSQKAEGQ RWLSALRHHS
Predicted Reactivity:	Cow: 86%, Human: 100%, Pig: 86%, Sheep: 86%
Characteristics:	This is a rabbit polyclonal antibody against TAPBP. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	TAPBP
Alternative Name:	TAPBP (TAPBP Products)

Target Details

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.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. Alias Symbols: NGS17, TAPA, TPN, TPSN Protein Interaction Partner: UBC, PDIA3, Tap2, ELAVL1, US3, TAP1, B2M, COPG1, COPG2, COPB1, HLA-C, HLA-A, CALR, Protein Size: 448
Molecular Weight:	46 kDa
Gene ID:	6892
NCBI Accession:	NM_003190, NP_003181
UniProt:	O15533

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 448 AA
Restrictions:	For Research Use only

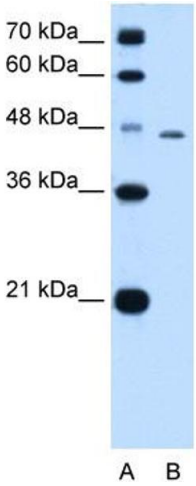
Handling

Format:	Liquid

Handling

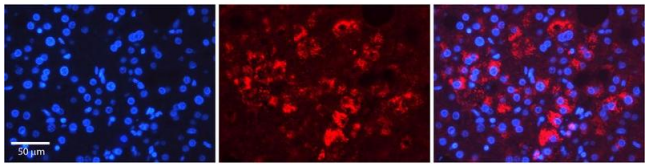
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	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.

Images



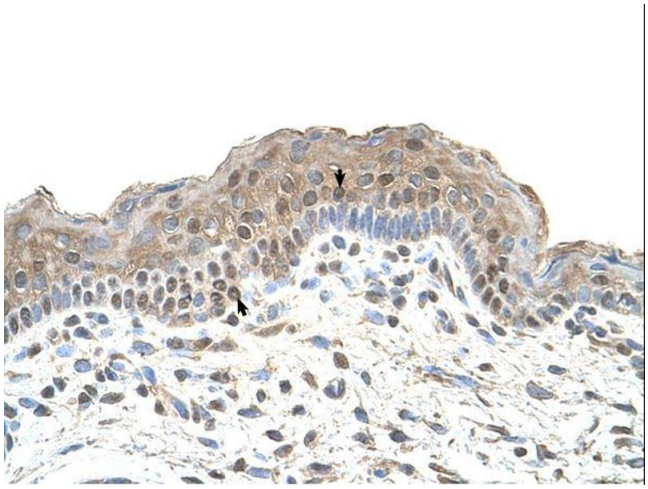
Western Blotting

Image 1. WB Suggested Anti-TAPBP Antibody Titration: 0.5ug/ml Positive Control: HepG2 cell lysate



Immunohistochemistry

Image 2. Rabbit Anti-TAPBP Antibody Formalin Fixed Paraffin Embedded Tissue: Human Adult liver Observed Staining: Cytoplasmic Primary Antibody Concentration: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy2/3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 – 2.0 sec Protocol located in Reviews and Data.



Immunohistochemistry

Image 3.

Please check the product details page for more images. Overall 5 images are available for ABIN2782218.