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TJAP1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10762a

Specification

TJAP1 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q5JTD0
Other Accession	Q9DCD5, NP_001139488.1
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**61821**
Antigen Region	**144-171**

TJAP1 Antibody (N-term) - Additional Information

Gene ID 93643

Other Names
Tight junction-associated protein 1, Protein incorporated later into tight junctions, Tight junction protein 4, TJAP1, PILT, TJP4

Target/Specificity
This TJAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 144-171 amino acids from the N-terminal region of human TJAP1.

Dilution
WB~~1:1000
IHC-P~~1:50~100

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
TJAP1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TJAP1 Antibody (N-term) - Protein Information

Name TJAP1 (HGNC:17949)

Function Plays a role in regulating the structure of the Golgi apparatus.

Cellular Location
Golgi apparatus, trans-Golgi network {ECO:0000250|UniProtKB:Q9DCD5}. Cell junction, tight junction {ECO:0000250|UniProtKB:Q9DCD5}. Cell membrane {ECO:0000250|UniProtKB:Q9DCD5}; Peripheral membrane protein. Note=Recruited to tight junctions (TJ) during late stages of maturation of the TJ complexes. Excluded from adherens junctions and desmosomes. {ECO:0000250|UniProtKB:Q9DCD5}

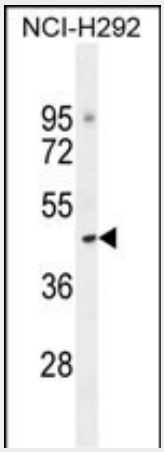
Tissue Location
Ubiquitously expressed.

TJAP1 Antibody (N-term) - Protocols

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

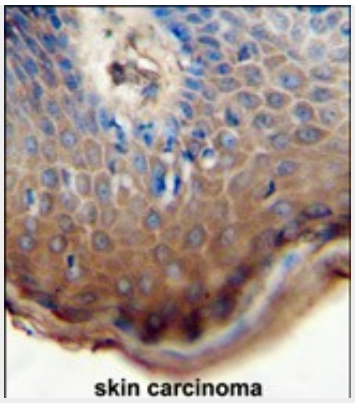
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TJAP1 Antibody (N-term) - Images



TJAP1 Antibody (N-term) (Cat. #AP10762a) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the TJAP1 antibody detected the TJAP1 protein (arrow).

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TJAP1 antibody (N-term) (Cat. #AP10762a) immunohistochemistry analysis in formalin fixed and paraffin embedded human skin carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TJAP1 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

TJAP1 Antibody (N-term) - Background

This gene encodes a tight junction-associated protein. Incorporation of the encoded protein into tight junctions occurs at a late stage of formation of the junctions. The encoded protein localizes to the Golgi and may function in vesicle trafficking. Alternatively spliced transcript variants have been described. A related pseudogene exists on the X chromosome. [provided by RefSeq].

TJAP1 Antibody (N-term) - References

Kimura, K., et al. Genome Res. 16(1):55-65(2006)
Kawabe, H., et al. J. Biol. Chem. 276(51):48350-48355(2001)