

Datasheet for ABIN2774876
anti-TJP1 antibody (Middle Region)



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2 Images

Overview

Quantity:	100 µL
Target:	TJP1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Pig, Dog, Guinea Pig, Rabbit, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TJP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TJP1
Sequence:	QNHVLKQPAV SHPGHRPDKE PNLTYPQLP YVEKQASRDLEQPTYRYESS
Predicted Reactivity:	Dog: 92%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 87%, Pig: 93%, Rabbit: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against TJP1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	TJP1
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Target Details

Alternative Name:	TJP1 (TJP1 Products)
Background:	TJP1 is a protein located on a cytoplasmic membrane surface of intercellular tight junctions. TJP1 may be involved in signal transduction at cell-cell junctions. This gene encodes a protein located on a cytoplasmic membrane surface of intercellular tight junctions. The encoded protein may be involved in signal transduction at cell-cell junctions. Two transcript variants encoding distinct isoforms have been identified for this gene. Alias Symbols: DKFZp686M05161, MGC133289, ZO-1 Protein Interaction Partner: VMP1, RAPGEF2, LATS2, TJP2, PAN2, DTNA, UBC, SCO2, VAPA, VAPB, ZPR1, NOTCH2, NDUFV2, NDUFS6, SUGP1, RTN4, STRN, PARD3, PARD6A, PRKCI, SIRT7, KHDRBS1, ELAVL1, SSTR3, Cdk1, TUBA1C, TUBB4A, VIM, SPTAN1, PLEC, KRT10, KRT8, KRT1, GJA1, FLNA, ANXA6, ACTN1, ACTN Protein Size: 1668
Molecular Weight:	187 kDa
Gene ID:	7082
NCBI Accession:	NM_175610 , NP_783297
UniProt:	Q07157
Pathways:	Carbohydrate Homeostasis , Cell-Cell Junction Organization

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1668 AA
Restrictions:	For Research Use only

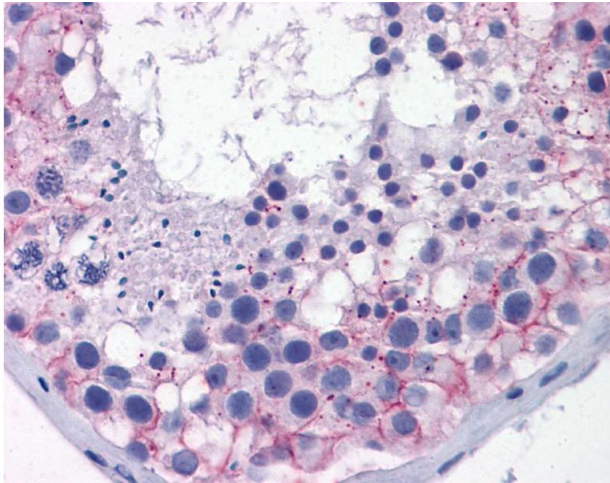
Handling

Format:	Liquid
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

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



Immunohistochemistry

Image 1.



Western Blotting

Image 2. WB Suggested Anti-TJP1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate