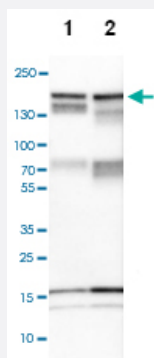


# TJP2 polyclonal antibody

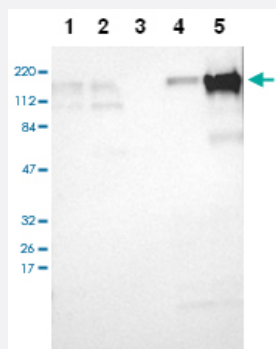
Catalog # PAB28487      Size 100 uL

## Applications



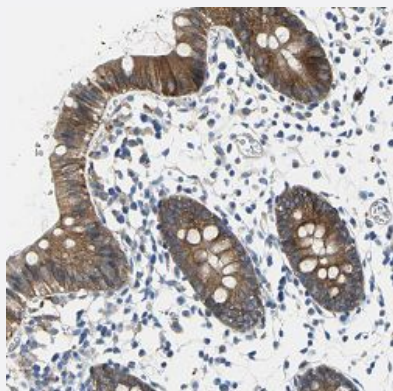
### Western Blot (Cell lysate)

Western blot analysis of Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells), Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells) with TJP2 polyclonal antibody at 1:100-1:500 dilution.



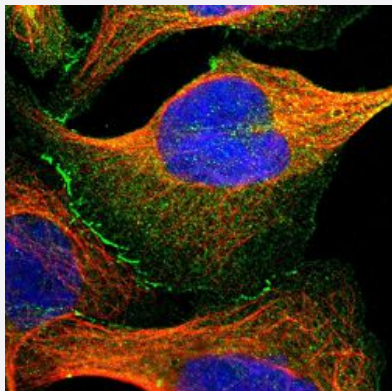
### Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: A-431, Lane 4: Liver, Lane 5: Tonsil with TJP2 polyclonal antibody at 1:100-1:250 dilution.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human colon with TJP2 polyclonal antibody (Cat # PAB28487) shows moderate cytoplasmic and membranous positivity in glandular cells at 1:50-1:200 dilution.



## Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with TJP2 polyclonal antibody (Cat # PAB28487) at 1-4 ug/ml shows positivity in plasma membrane, cytoplasm & cell junctions.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against recombinant TJP2.
<b>Immunogen</b>	Recombinant protein corresponding to amino acids of human TJP2
<b>Sequence</b>	IGVLLMKSRANEEYGLRLGSQIFVKEMTRTGLATKDGNLHEGDIILKINGTVTENMSLTDARKLIEKS RGKLQLVVL RDSQQTLINIPSLNDS DSEIEDISEIESNRSFSPEERRHQYSDYDYHSSEKLKERPS SREDTPSRLSRMG
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunohistochemistry(1:50-1:200) Western Blot(1:100-1:250) Immunofluorescence(1-4 ug/ml) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells), Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells) with TJP2 polyclonal antibody at 1:100-1:500 dilution.

- Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: A-431, Lane 4: Liver, Lane 5: Tonsil with TJP2 polyclonal antibody at 1:100-1:250 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human colon with TJP2 polyclonal antibody (Cat # PAB28487) shows moderate cytoplasmic and membranous positivity in glandular cells at 1:50-1:200 dilution.

- Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with TJP2 polyclonal antibody (Cat # PAB28487) at 1-4 ug/ml shows positivity in plasma membrane, cytoplasm & cell junctions.

## Gene Info — TJP2

Entrez GeneID	<a href="#">9414</a>
Protein Accession#	<a href="#">F5H301</a>
Gene Name	TJP2
Gene Alias	MGC26306, X104, ZO-2, ZO2
Gene Description	tight junction protein 2 (zona occludens 2)
Omim ID	<a href="#">607709</a> <a href="#">607748</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	Tight junction proteins (TJPs) belong to a family of membrane-associated guanylate kinase (MAG UK) homologs that are involved in the organization of epithelial and endothelial intercellular junctions. TJPs bind to the cytoplasmic C termini of junctional transmembrane proteins and link them to the actin cytoskeleton.[supplied by OMIM]
Other Designations	Friedreich ataxia region gene X104 (tight junction protein ZO-2) OTTHUMP00000021431 OTTHUMP00000063359

## Pathway

- [Tight junction](#)
- [Vibrio cholerae infection](#)