

## TNPO3 Rabbit mAb

Catalog No: #49947

Package Size: #49947-1 50ul #49947-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

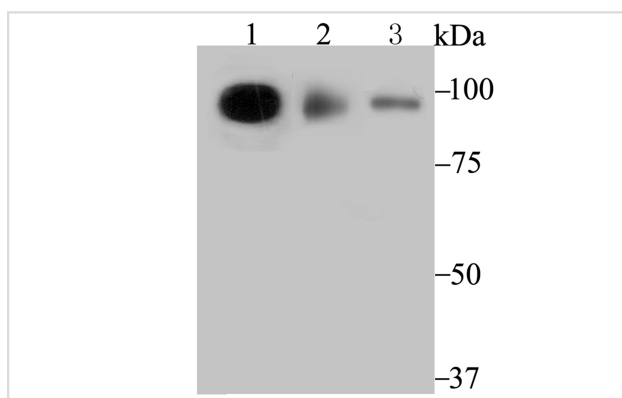
## Description

Product Name	TNPO3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG38-77
Purification	ProA affinity purified
Applications	WB,ICC,IF,IHC
Species Reactivity	Hu, Ms, Rt
Other Names	TNPO 3 antibody Imp12 antibody Importin 12 antibody Importin-12 antibody IPO12 antibody MTR10A antibody TNPO3 antibody TNPO3_HUMAN antibody Transportin 3 antibody Transportin SR antibody Transportin-3 antibody Transportin-SR antibody TRN SR antibody TRN-SR antibody TRN-SR2 antibody TRNSR antibody
Accession No.	Swiss-Prot#:Q9Y5L0
Uniprot	Q9Y5L0
GeneID	23534;
Calculated MW	104 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

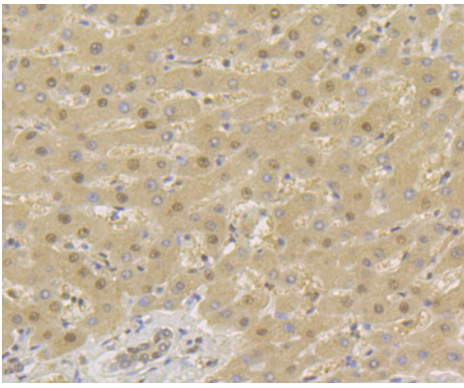
## Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200

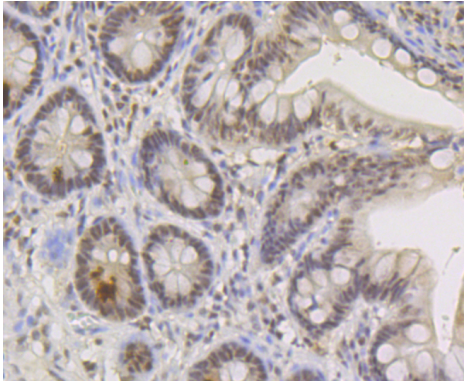
## Images



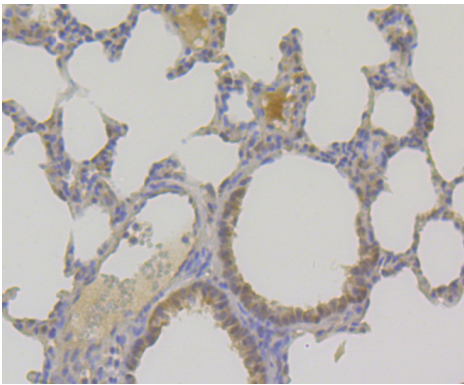
Western blot analysis of TNPO3 on K562 cell (1), HL-60 cell (2) and mouse pancreas tissue (3) lysate using anti-TNPO3 antibody at 1/1,000 dilution.



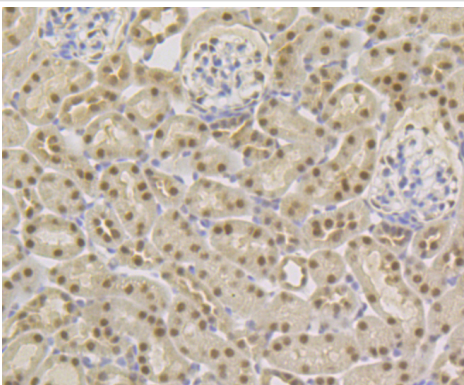
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-TNPO3 antibody. Counter stained with hematoxylin.



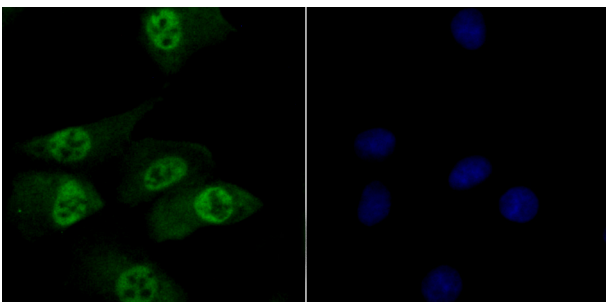
Immunohistochemical analysis of paraffin-embedded human small intestine tissue using anti-TNPO3 antibody. Counter stained with hematoxylin.



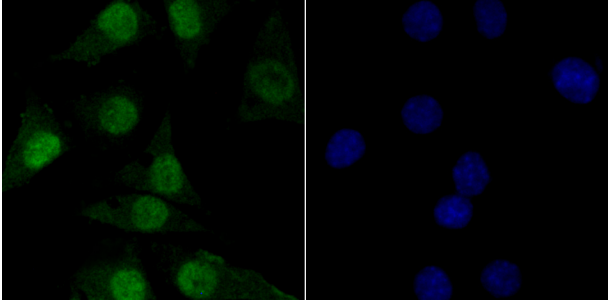
Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-TNPO3 antibody. Counter stained with hematoxylin.



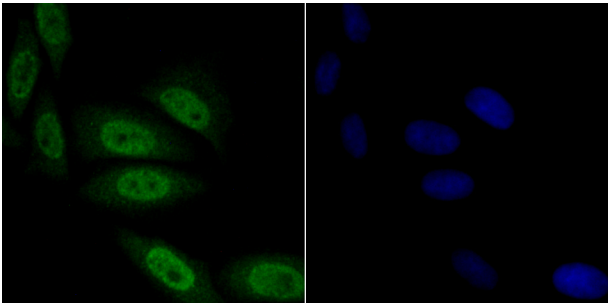
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-TNPO3 antibody. Counter stained with hematoxylin.



ICC staining TNPO3 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining TNPO3 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining TNPO3 in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

The Importin complex consists of Importin- $\alpha$  and Importin- $\beta$  proteins which assist in transport of arginine- or serine-rich (SR) proteins across the nucleus. Importin-12, also known as Transportin-3 or Transportin-SR, is a member of the Importin- $\beta$  family and functions as a nuclear transport receptor for serine/arginine-rich proteins. Through recognition of phosphorylated RS domains, Importin-12 mediates the nuclear import of several SR proteins, such as splicing factors SFRS1 and SFRS2. By regulating the nucleocytoplasmic transport of these and other SR mRNA splicing factors, Importin-12 controls their access to mRNA and, therefore, acts a transcriptional regulator.

## References

Note: This product is for in vitro research use only