

TNPO3 Antibody

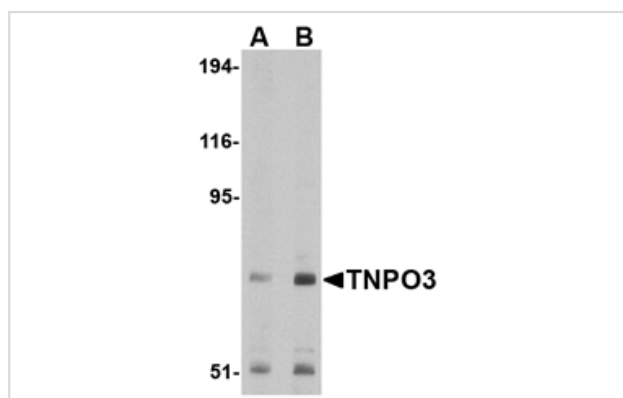
Catalog No: #24680

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Description

Product Name	TNPO3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 18 amino acid peptide from near the amino terminus of human TNPO3.
Target Name	TNPO3
Other Names	Transportin-3, Importin-12, IPO12, TRNSR, MTR10A, TRN-SR
Accession No.	Swiss-Prot:Q9Y5L0Gene ID:23534
Uniprot	Q9Y5L0
GeneID	23534;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of TNPO3 in Raji cell lysate with TNPO3 antibody at (A) 1 and (B) 2 ug/mL.

Background

TNPO3 is a member of the importin beta/transportin family of nuclear import receptors and is specific for the essential splicing factors termed SR proteins, binding specifically and directly to the arginine/serine (RS)-rich domains of these proteins. Further experiments demonstrated that this interaction occurs only when these RS domains are phosphorylated. More recently, TNPO3 was identified as an HIV dependency factor (HDF) and that depletion of TNPO3 resulted in HIV inhibition after reverse transcription but before integration, suggesting that TNPO3 may be an important drug target in HIV treatment. At least three isoforms of TNPO3 are known to exist.

Note: This product is for in vitro research use only