

Product datasheet for **TNPO3**

TNPO3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1 - 2 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TNPO3 antibody was raised against a 18 amino acid synthetic peptide from near the amino terminus of human TNPO3. The immunogen is located within amino acids 220 - 270 of TNPO3.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	transportin 3
Database Link:	NP_036602 Entrez Gene 296954 RatEntrez Gene 320938 MouseEntrez Gene 23534 Human Q9Y5L0
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.

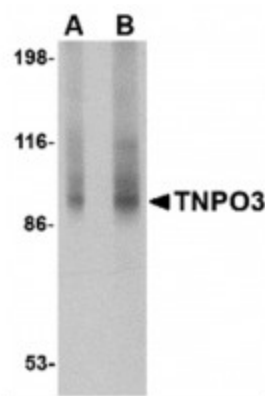


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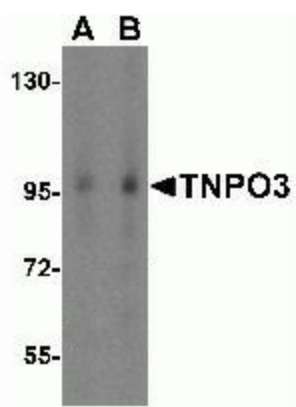
Synonyms: IPO12; LGMD1F; MTR10A; TRN-SR; TRN-SR2; TRNSR

Protein Families: Druggable Genome

Product images:



Western blot analysis of TNPO3 in rat liver tissue lysate with TNPO3 antibody at (A) 1 and (B) 2 µg/ml.



Western blot analysis of TNPO3 expression in Jurkat cell lysate with TNPO3 antibody at (A) 1 and (B) 2 µg/ml.