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Datasheet for ABIN6990902

anti-Transportin 3 antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	Transportin 3 (TNPO3)
Binding Specificity:	AA 140-190, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Transportin 3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

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 140 - 190 of TNPO3.
Isotype:	IgG
Purification:	TNPO3 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	Transportin 3 (TNPO3)
Alternative Name:	TNPO3 (TNPO3 Products)
Background:	TNPO3 Antibody: 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

Target Details

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.

Molecular Weight: Predicted: 105 kDa

Observed: 99 kDa

Gene ID: 23534

UniProt: [Q9Y5L0](#)

Pathways: [Protein targeting to Nucleus](#)

Application Details

Application Notes: TNPO3 antibody can be used for detection of TNPO3 by Western blot at 1 - 2 µg/mL.

Antibody validated: Western Blot in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: TNPO3 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: TNPO3 antibody can be stored at 4°C for three months and -20°C, stable for up to 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.