

Rabbit TNPO1 Polyclonal Antibody | anti-TNPO1 antibody

TNPO1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286753	Rabbit	Human (Predicted Reactivity: Bovine, Mouse)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

TNPO1; Polyclonal Antibody; TNPO1 Antibody (N-term); Transportin-1; Importin beta-2; Karyopherin beta-2; M9 region interaction protein; MIP; KPNB2; MIP1; TRN; anti-TNPO1 antibody

PRODUCT SPECIFICATIONS

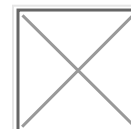
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TNPO1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 47-74 amino acids from the N-terminal region of human TNPO1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	47-74
Sequence Length	848
Applicable Applications for anti-TNPO1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

TNPO1 Antibody (N-term) flow cytometry analysis of 293 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human brain tissue reacted with TNPO1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of TNPO1 Antibody (N-term) in 293 cell line lysates (35ug/lane). TNPO1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-TNPO1 antibody	TNPO1 comprises the beta subunit of the karyopherin receptor complex which interacts with nuclear localization signals to target nuclear proteins to the nucleus. The karyopherin receptor complex is a heterodimer of an alpha subunit which recognizes the nuclear localization signal and a beta subunit which docks the complex at nucleoporins.
Product Categories/Family for anti-TNPO1 antibody	Microbiology; Signal Transduction
References	Fineberg, K., et al., Biochemistry 42(9):2625-2633 (2003). Nelson, L.M., et al., Virology 306(1):162-169 (2003). Le Roux, L.G., et al., J. Virol. 77(4):2330-2337 (2003). Limon, A., et al., J. Virol. 76(21):10598-10607 (2002). Dvorin, J.D., et al., J. Virol. 76(23):12087-12096 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	133925811
NCBI GeneID	3842
NCBI Accession #	NP_002261.3; NP_694858.1
NCBI GenBank Nucleotide #	NM_002270.3
UniProt Accession #	Q92973; Q92957; Q92975; B4DVC6
Molecular Weight	102355
NCBI Official Full Name	transportin-1 isoform 1
NCBI Official Synonym Full Names	transportin 1
NCBI Official Symbol	TNPO1
NCBI Official Synonym Symbols	MIP; TRN; IPO2; MIP1; KPNB2
NCBI Protein Information	transportin-1
UniProt Protein Name	Transportin-1
UniProt Gene Name	TNPO1
UniProt Synonym Gene Names	KPNB2; MIP1; TRN; MIP
UniProt Entry Name	TNPO1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.