



TNPO1 peptide (DAG-P2024)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes 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. Alternate splicing of this gene results in two transcript variants encoding different proteins. [provided by RefSeq, Jul 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the importin beta family. Contains 8 HEAT repeats. Contains 1 importin N-terminal domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	TNPO1 transportin 1 [Homo sapiens (human)]
Official Symbol	TNPO1
Synonyms	TNPO1; transportin 1; MIP; TRN; IPO2; MIP1; KPNB2; transportin-1; importin 2; importin beta 2; importin beta-2; karyopherin beta-2; M9 region interaction protein; karyopherin (importin) beta 2;
Entrez Gene ID	3842

mRNA Refseq	NM_002270.3
Protein Refseq	NP_002261.3
UniProt ID	Q92973
Chromosome Location	5q13.2
Pathway	Destabilization of mRNA by Tristetraprolin (TTP), organism-specific biosystem; Gene Expression, organism-specific biosystem; Regulation of mRNA Stability by Proteins that Bind AU-rich Elements, organism-specific biosystem;
Function	Ran GTPase binding; nuclear localization sequence binding; poly(A) RNA binding; protein binding;