

Mouse Transportin-2 (TNPO2) ELISA Kit | TNPO2 elisa kit

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CATALOG #
AAA332106

REACTIVITY
Mouse

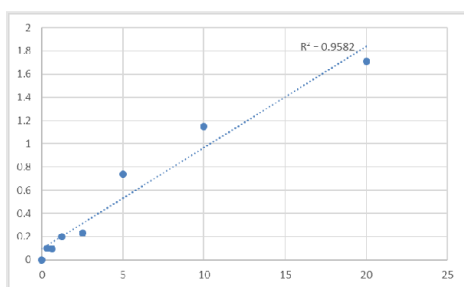
PRODUCT SYNONYMS

Transportin-2 (TNPO2); Mouse Transportin-2 (TNPO2) ELISA Kit; TNPO2; FLJ12155; IPO3; KPNB2B; TRN2; importin 3; karyopherin beta 2b; transportin; transportin 2 (importin 3; karyopherin beta 2b); TNPO2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Transportin-2 (TNPO2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TNPO2. No significant cross-reactivity or interference between Mouse TNPO2 and analogues was observed.
Sequence Length	897
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Transportin-2 (TNPO2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TNPO2 elisa kit	Description: This Mouse Transportin-2 (TNPO2) ELISA Kit employs a two-site sandwich ELISA to quantitate TNPO2 in samples. An antibody specific for TNPO2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNPO2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNPO2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TNPO2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Transportin-2 (KPNB2) interacts directly and specifically with M9, the bidirectional transport signal of the nuclear shuttling protein hnRNPA1 and mediates hnRNPA1 nuclear import. In the course of isolating additional transportin-1 cDNAs, Siomi et al. (1997) isolated cDNAs encoding a related protein that they designated 'transportin-2.' The sequence of the predicted 894-amino acid protein shares 84% identity with that of transportin-1. One notable difference is that transportin-2 contains a short extra sequence within the region corresponding to the M9-interacting domain of transportin-1. Far Western blotting showed that transportin-2 and transportin-1 have different substrate specificities. Siomi et al. (1997) suggested that the insert in transportin-2 modifies its interaction with import substrates.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	170932530
NCBI GeneID	212999
NCBI Accession #	NP_001116315.1
NCBI GenBank Nucleotide #	NP_001116315.1
UniProt Accession #	Q99LG2
NCBI Official Full Name	transportin-2 isoform 1
NCBI Official Synonym Full Names	transportin 2 (importin 3, karyopherin beta 2b)
NCBI Official Symbol	Tnpo2
NCBI Official Synonym Symbols	IPO3; TRN2; Knpb2b; Kpnb2b; AA414969; AI464345; AI852433; 1110034O24Rik
NCBI Protein Information	transportin-2
UniProt Protein Name	Transportin-2
UniProt Gene Name	Tnpo2
UniProt Entry Name	TNPO2_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/transportin-2-tnpo2/332106>