

For Research Use Only

Importin Beta Recombinant monoclonal antibody

Catalog Number: 86630-3-RR



Basic Information

Catalog Number: 86630-3-RR	GenBank Accession Number: BC003572	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3837	CloneNo.: 251633D12
Source: Rabbit	UNIPROT ID: Q14974	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: karyopherin (importin) beta 1	
Immunogen Catalog Number: AG0122	Calculated MW: 97 kDa	
	Observed MW: 90-97 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A2780 cells, HeLa cells, HT-1080 cells, NIH/3T3 cells, C6 cells, mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	

Background Information

Importin beta1, also known karyopherin beta or KPNB1, is a nuclear transport receptor that plays a key role in the nuclear import process. Importin beta1 and importin alpha work in concert to transport cargo into the nucleus, functioning as an essential component of the classical nuclear localization signal (NLS) pathway. Elevated expression of importin beta1 has been found in cervical tumors. (22125623)

Storage

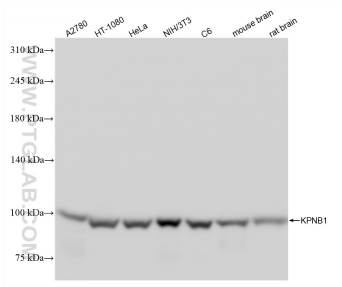
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

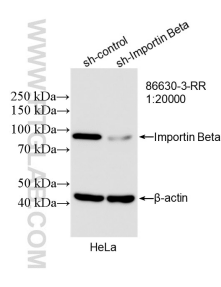
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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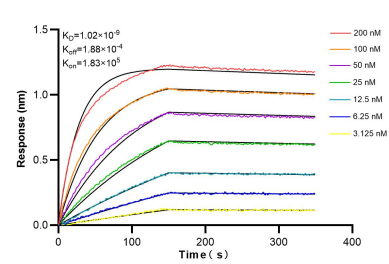
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86630-3-RR (KPNB1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of Importin Beta antibody (86630-3-RR; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Importin Beta transfected HeLa cells.



Biolayer interferometry (BLI) kinetic assays of 86630-3-RR against Human Importin Beta were performed. The affinity constant is 1.02 nM.