

For Research Use Only

Importin Beta Recombinant monoclonal antibody, PBS Only

Catalog Number: 86630-3-PBS



Basic Information

Catalog Number: 86630-3-PBS	GenBank Accession Number: BC003572	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3837	CloneNo.: 251633D12
Source: Rabbit	UNIPROT ID: Q14974	
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, Indirect ELISA

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

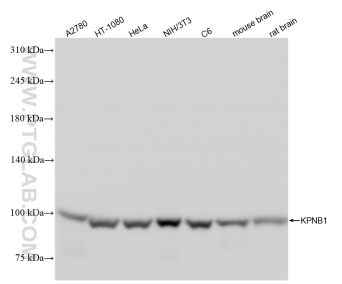
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

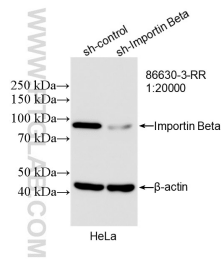
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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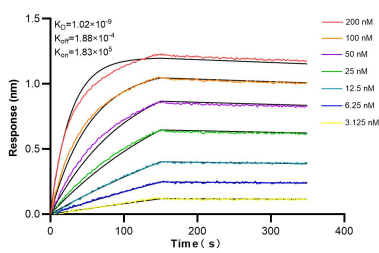
Selected Validation Data



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. This data was developed using the same antibody clone with 86630-3-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 86630-3-PBS in a different storage buffer formulation.



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