

For Research Use Only

Exportin 4 Recombinant antibody, PBS Only

Catalog Number: 84449-1-PBS



Basic Information

Catalog Number: 84449-1-PBS	GenBank Accession Number: BC113571	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 64328	CloneNo.: 241443A5
Source: Rabbit	UNIPROT ID: Q9C0E2	
Isotype: IgG	Full Name: exportin 4	
Immunogen Catalog Number: AG21845	Calculated MW: 1151 aa, 130 kDa	
	Observed MW: 130 kDa	

Applications

Tested Applications:
WB, FC (Intra), Indirect ELISA

Species Specificity:
human, mouse

Background Information

exportin 4 (XPO4) maps to chromosome 13q and belongs to the importin β family which acts as a bidirectional nuclear transport receptor. Decreased XPO4 expression has been shown to associate with hepatocellular carcinoma. A genome-wide copy number variation (CNV) association study in a small cohort of Malaysian subjects identified a CNV in XPO4 to be correlated with the progression of metabolic (dysfunction) associated fatty liver disease (MAFLD). (PMID: 34388518)

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

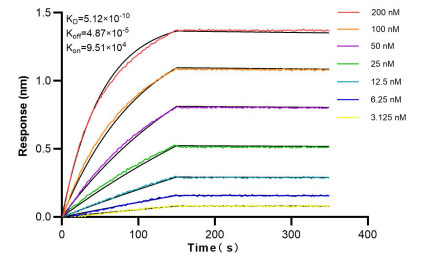
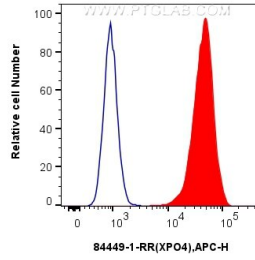
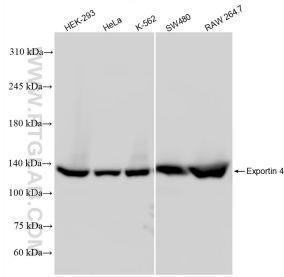
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84449-1-RR (XPO4 antibody) at dilution of 1:8500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84449-1-PBS in a different storage buffer formulation.

1x10⁶ HeLa cells were intracellularly stained with 0.25 ug Exportin 4 Recombinant antibody (84449-1-RR, Clone:241443A5) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 84449-1-PBS in a different storage buffer formulation.

Biacore interferometry (BLI) kinetic assays of 84449-1-RR against Human Exportin 4 were performed. The affinity constant is 0.512 nM.