

For Research Use Only

CRM1 Monoclonal antibody, PBS Only



Catalog Number: 66763-1-PBS

Basic Information

Catalog Number: 66763-1-PBS	GenBank Accession Number: BC032847	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7514	CloneNo.: 2D3B6
Source: Mouse	UNIPROT ID: O14980	
Isotype: IgG1	Full Name: exportin 1 (CRM1 homolog, yeast)	
Immunogen Catalog Number: AG27337	Calculated MW: 1071 aa, 123 kDa	
	Observed MW: 100-110 kDa	

Applications

Tested Applications:
WB, IF, IHC, Indirect ELISA

Species Specificity:
Human, Mouse, Rat

Background Information

CRM1 (chromosome region maintenance 1, also known as exportin-1 or XPO1), a member of the karyopherin β family of transport receptors, is an important nuclear export receptor recognizing proteins bearing a leucine-rich nuclear export signal (PMID: 9323133). CRM1 is the major receptor for the export of proteins out of the nucleus and is also required for transport of many RNAs (PMID: 17317185). In addition to nuclear export, CRM1 also plays a role in centrosome duplication and spindle assembly (PMID: 22773955). Elevated CRM1 expression has been reported in several cancers, which implicates CRM1 as a potential anti-cancer drug target (PMID: 22677130; 21683812).

Storage

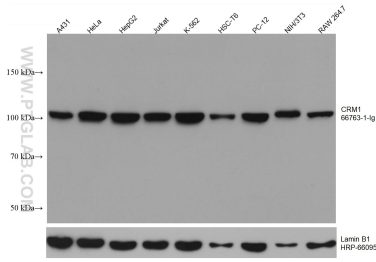
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

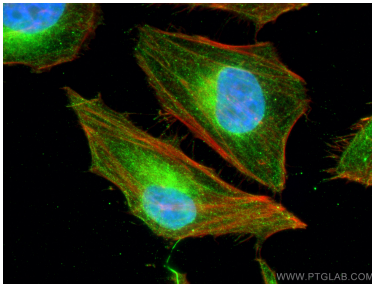
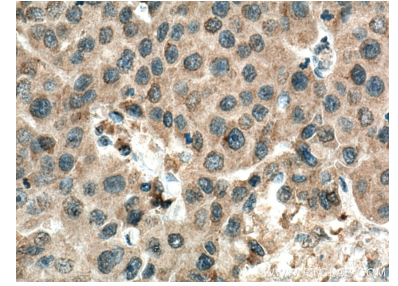
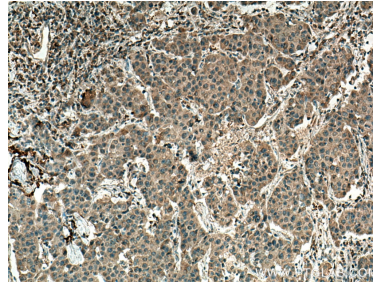
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66763-1-Ig (CRM1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control. This data was developed using the same antibody clone with 66763-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CRM1 antibody (66763-1-Ig, Clone: 2D3B6) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 66763-1-PBS in a different storage buffer formulation.