

For Research Use Only

CRM1 Polyclonal antibody

Catalog Number: 27917-1-AP

7 Publications



Basic Information

Catalog Number: 27917-1-AP	GenBank Accession Number: BC032847	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop;	GeneID (NCBI): 7514	Recommended Dilutions: WB 1:2000-1:10000
Source: Rabbit	UNIPROT ID: O14980	IHC 1:50-1:500 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: exportin 1 (CRM1 homolog, yeast)	
Immunogen Catalog Number: AG27207	Calculated MW: 1071 aa, 123 kDa	
	Observed MW: 123 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF, ColP	WB : HEK-293 cells, C6 cells, HeLa cells, MCF-7 cells, NIH/3T3 cells, K-562 cells, HT-1080 cells
Species Specificity: human, mouse, rat	IHC : human colon cancer tissue,
Cited Species: human, mouse	IF/ICC : HeLa cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Sukhbir Kaur	34841476	J Cell Commun Signal	IF
Shizhou Li	39712016	Front Immunol	IHC
Cha Yang	39551138	J Biol Chem	WB,IF

Storage

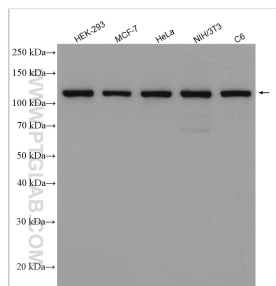
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

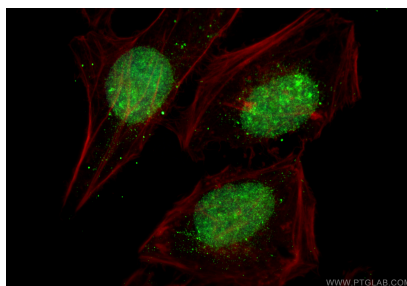
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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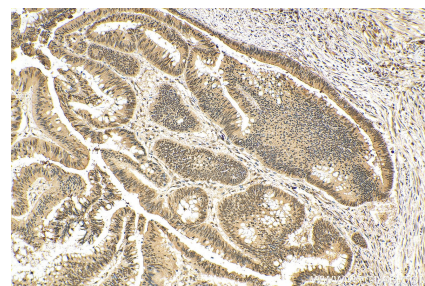
Selected Validation Data



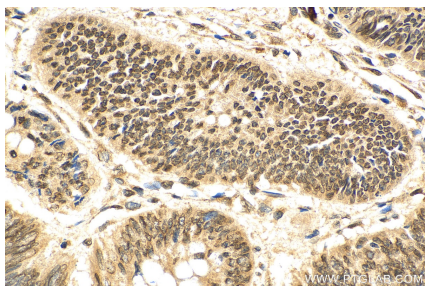
Various lysates were subjected to SDS PAGE followed by western blot with 27917-1-AP (CRM1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CRM1 antibody (27917-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 27917-1-AP (CRM1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 27917-1-AP (CRM1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).