Rabbit CRM1 Polyclonal Antibody | anti-XPO1 antibody

CRM1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328968	**Rabbit**	**Human, Mouse, Rat**	**ELISA**

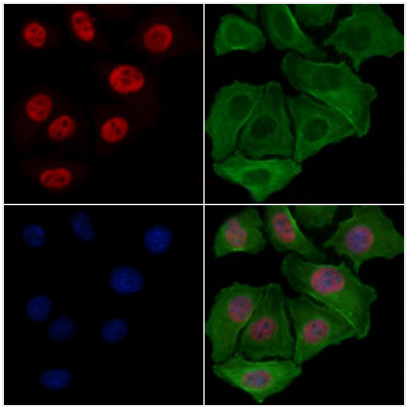
PRODUCT SYNONYMS

CRM1; Polyclonal Antibody; CRM1 Antibody; Chromosome region maintenance 1 protein homolog; CRM 1; CRM1 homolog; DKFZp686B1823; emb; Exp 1; Exp1; Exportin 1; Exportin-1; Exportin1; XPO 1; xpo1; XPO1_HUMAN; anti-XPO1 antibody

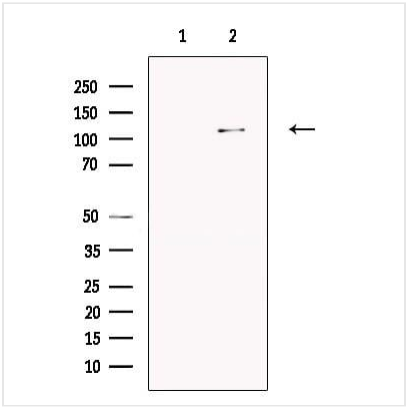
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CRM1 Antibody detects endogenous levels of total CRM1.
Purity/Purification	Peptide affinity purification
Form/Format	IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	1071
Applicable Applications for anti-XPO1 antibody	ELISA
Immunogen	A synthesized peptide derived from human CRM1, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C.

IMAGES



IF (Immunofluorescence)
AAA328968 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25Â°C. Samples were then incubated with primary Ab(AAA328968) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37Â°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.The nuclear counter stain is DAPI(blue).



WB (Western Blot)
Western blot analysis of extracts from Hela cells, using CRM1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-XPO1 antibody	Mediates the nuclear export of cellular proteins (cargos) bearing a leucine-rich nuclear export signal (NES) and of RNAs. In the nucleus, in association with RANBP3, binds cooperatively to the NES on its target protein and to the GTPase RAN in its active GTP-bound form (Ran-GTP). Docking of this complex to the nuclear pore complex (NPC) is mediated through binding to nucleoporins. Upon transit of a nuclear export complex into the cytoplasm, disassembling of the complex and hydrolysis of Ran-GTP to Ran-GDP (induced by RANBP1 and RANGAP1, respectively) cause release of the cargo from the export receptor. The directionality of nuclear export is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus.

NCBI AND UNIPROT INFORMATION

NCBI GI #	68052989
NCBI GeneID	7514
UniProt Accession #	O14980
Molecular Weight	123kDa
NCBI Official Full Name	Exportin-1
NCBI Official Synonym Full Names	exportin 1
NCBI Official Symbol	XPO1
NCBI Official Synonym Symbols	emb; CRM1; exp1; CRM-1
NCBI Protein Information	exportin-1
UniProt Protein Name	Exportin-1
UniProt Gene Name	**XPO1**
UniProt Synonym Gene Names	CRM1; Exp1
UniProt Entry Name	XPO1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.