

CRM1 Conjugated Antibody

Catalog No: #C49809



Package Size: #C49809-AF350 100ul #C49809-AF405 100ul #C49809-AF488 100ul
 #C49809-AF555 100ul #C49809-AF594 100ul #C49809-AF647 100ul
 #C49809-AF680 100ul #C49809-AF750 100ul #C49809-Biotin 100ul

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Description

Product Name	CRM1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within C terminal human CRM1.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Chromosome region maintenance 1 protein homolog antibody CRM 1 antibody CRM1 homolog antibody DKFZp686B1823 antibody emb antibody Exp 1 antibody Exp1 antibody Exportin 1 antibody Exportin-1 antibody Exportin1 antibody XPO 1 antibody xpo1 antibody XPO1_HUMAN antibody
Accession No.	Swiss-Prot#:O14980
Uniprot	O14980
GeneID	7514;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	123 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250
 AF405 conjugated: most applications: 1: 50 - 1: 250
 AF488 conjugated: most applications: 1: 50 - 1: 250
 AF555 conjugated: most applications: 1: 50 - 1: 250
 AF594 conjugated: most applications: 1: 50 - 1: 250
 AF647 conjugated: most applications: 1: 50 - 1: 250
 AF680 conjugated: most applications: 1: 50 - 1: 250
 AF750 conjugated: most applications: 1: 50 - 1: 250

Background

Protein transport across the nucleus is a selective, multistep process involving several cytoplasmic factors. Proteins must be recognized as import substrates, dock at the nuclear pore complex and translocate across the nuclear envelope in an ATP-dependent fashion. Two cytosolic factors centrally involved in the recognition and docking process are the karyopherin alpha1 and karyopherin beta1 subunits. p62 glycoprotein is a nucleoporin that is not only involved in the nuclear import of proteins, but also the export of nascent mRNA strands. NTF2 (nuclear transport factor 2) interacts with nucleoporin p62 as a homodimer composed of two monomers, and may be an obligate component of functional p62. CRM1 has been shown to be an export receptor for leucine-rich proteins that contain the nuclear export signal (NES).

Note: This product is for in vitro research use only