KPNA2 Conjugated Antibody

Catalog No: #C49651

Package Size: #C49651-AF350 100ul #C49651-AF405 100ul #C49651-AF488 100ul #C49651-AF555 100ul #C49651-AF594 100ul #C49651-AF647 100ul #C49651-AF680 100ul #C49651-AF750 100ul #C49651-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	KPNA2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	IMA1_HUMAN antibody Importin alpha 1 antibody Importin alpha 2 antibody Importin alpha 2 subunit antibody Importin alpha P1 antibody Importin subunit alpha-1 antibody IPO A1 antibody IPOA 1 antibody IPOA1 antibody Karyopherin alpha 2 antibody Karyopherin alpha 2 RAG cohort 1 antibody Karyopherin alpha 2 subunit antibody Karyopherin subunit alpha-2 antibody KPNA2 antibody KPNA2 protein antibody Pendulin antibody QIP 2 antibody QIP2 antibody RAG cohort 1 antibody RAG cohort protein 1 antibody RCH 1 antibody RCH1 antibody SRP 1 antibody SRP1 alpha antibody SRP1 antibody SRP1-alpha antibody SRP1alpha antibody
Accession No.	Swiss-Prot#:P52292
Uniprot	P52292
GeneID	3838;
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
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

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Functions in nuclear protein import as an adapter protein for nuclear receptor KPNB1. Binds specifically and directly to substrates containing either a simple or bipartite NLS motif. Docking of the importin/substrate complex to the nuclear pore complex (NPC) is mediated by KPNB1 through binding to nucleoporin FxFG repeats and the complex is subsequently translocated through the pore by an energy requiring, Ran-dependent mechanism. At the nucleoplasmic side of the NPC, Ran binds to importin-beta and the three components separate and importin-alpha and -beta are re-exported from the nucleus to the cytoplasm where GTP hydrolysis releases Ran from importin. The directionality of nuclear import is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus.

Note: This product is for in vitro research use only