Datasheet for ABIN7156121

anti-KPNA2 antibody (AA 2-285) (HRP)

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Overview

Quantity:	100 µg
Target:	KPNA2
Binding Specificity:	AA 2-285
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KPNA2 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Importin subunit alpha-1 protein (2-285AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	KPNA2
Alternative Name:	KPNA2 (KPNA2 Products)
Background:	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

Target Details

	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. Aliases: 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
UniProt:	P52292
Pathways:	M Phase, Protein targeting to Nucleus

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.