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Datasheet for ABIN7156123 anti-KPNA4 antibody (AA 51-239) (Biotin)

Overview

Quantity:	100 µg
Target:	KPNA4
Binding Specificity:	AA 51-239
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KPNA4 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Importin subunit alpha-3 protein (51-239AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	KPNA4
Alternative Name:	KPNA4 (KPNA4 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. In vitro, mediates the nuclear import of human cytomegalovirus UL84 by recognizing a non-classical NLS. In vitro, mediates the nuclear import of human cytomegalovirus UL84 by recognizing a non-classical NLS.

Aliases: FLJ31113 antibody, IMA3_HUMAN antibody, Importin alpha 3 antibody, Importin alpha 4 subunit antibody, Importin alpha Q1 antibody, Importin subunit alpha 3 antibody, Importin subunit alpha-3 antibody, IPO A3 antibody, IPOA 3 antibody, IPOA3 antibody, Karyopherin alpha 4 (importin alpha 3) antibody, Karyopherin alpha 4 antibody, Karyopherin alpha 4 importin alpha 3 antibody, Karyopherin alpha 4 subunit antibody, Karyopherin subunit alpha 4 antibody, Karyopherin subunit alpha-4 antibody, KPNA 4 antibody, Kpna4 antibody, MGC12217 antibody, MGC26703 antibody, OTTHUMP00000213880 antibody, QIP 1 antibody, Qip1 antibody, Qip1 protein antibody, SRP 3 antibody, SRP3 antibody

UniProt: [O00629](#)

Pathways: [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.

Handling

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.