

[Go to Product page](#)

Datasheet for ABIN7156128
anti-KPNA1 antibody (AA 8-538) (FITC)

Overview

Quantity:	100 µg
Target:	KPNA1
Binding Specificity:	AA 8-538
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KPNA1 antibody is conjugated to FITC
Application:	Please inquire

Product Details

Immunogen:	Recombinant Human Importin subunit alpha-5 protein (8-538AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	KPNA1
Alternative Name:	KPNA1 (KPNA1 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.

Aliases: IMA5_HUMAN antibody, Importin alpha 1 subunit antibody, Importin alpha 5 antibody, Importin alpha S1 antibody, Importin subunit alpha-5, N-terminally processed antibody, IPO A5 antibody, IPOA 5 antibody, IPOA5 antibody, Karyopherin alpha 1 antibody, Karyopherin alpha 1 subunit antibody, Karyopherin subunit alpha-1 antibody, KPNA 1 antibody, KPNA1 antibody, mSRP 1 antibody, mSRP1 antibody, NPI 1 antibody, NPI-1 antibody, NPI1 antibody, Nucleoprotein interactor 1 antibody, RAG cohort protein 2 antibody, RCH 2 antibody, RCH2 antibody, Recombination activating gene cohort 2 antibody, SRP 1 antibody, SRP1 beta antibody, SRP1-beta antibody

UniProt: [P52294](#)

Pathways: [M Phase](#), [Protein targeting to Nucleus](#)

Application Details

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.