Datasheet for ABIN2806666

anti-KPNA3 antibody (Alexa Fluor 594)

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Overview

Quantity:	100 µL
Target:	KPNA3
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KPNA3 antibody is conjugated to Alexa Fluor 594
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SRP1/karyopherin alpha 1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	KPNA3
Alternative Name:	SRP1 (KPNA3 Products)
Background:	Synonyms: IMA1_HUMAN; Importin alpha 1 subunit; Importin alpha 5; Importin alpha S1; Importin subunit alpha-1; IPO A5; IPOA 5; IPOA5; Karyopherin alpha 1; Karyopherin alpha 1 subunit; Karyopherin subunit alpha-1; KPNA 1; KPNA1; mSRP 1; mSRP1; NPI 1; NPI-1; NPI1; Nucleoprotein interactor 1; RAG cohort protein 2; RCH 2; RCH2; Recombination activating gene

Target Details

	cohort 2; SRP 1; SRP1 beta; SRP1-beta. Background: Protein transport across the nucleus is a selective, multi-step process involving several cytoplasmic factors that mediate protein passage through the nuclear pore complex (NPC). Cytoplasmic proteins that contain nuclear localization signals (NLSs) must be recognized as import substrates, dock at the nuclear pore complex and translocate across the nuclear envelope in an ATP-dependent fashion. Karyopherin alpha 1 and karyopherin alpha 6 are widely expressed nuclear import proteins that act as adaptors for karyopherin 1, specifically binding to and guiding NLS-containing proteins to the NPC. Both karyopherin alpha 1 and karyopherin alpha 6 contain one IBB domain and ten ARM repeats through which they convey their protein binding and localization function. Together, karyopherin å1 and karyopherin å6 are responsible for ensuring the nuclear import of NLS-containing substrates
Gene ID:	3838
Pathways:	Protein targeting to Nucleus

Application Details

Application Notes:	IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months