

Rabbit KPNA3 Polyclonal Antibody | anti-KPNA3 antibody

KPNA3 antibody - N-terminal region

CATALOG # AAA200397	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Human, Mouse, Rat, Zebrafish	APPLICATIONS Western Blot
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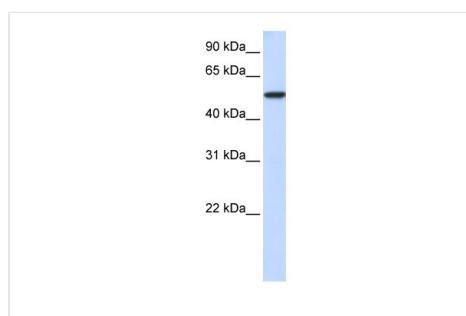
PRODUCT SYNONYMS

KPNA3; Polyclonal Antibody; KPNA3 antibody - N-terminal region; anti-KPNA3 antibody

PRODUCT SPECIFICATIONS

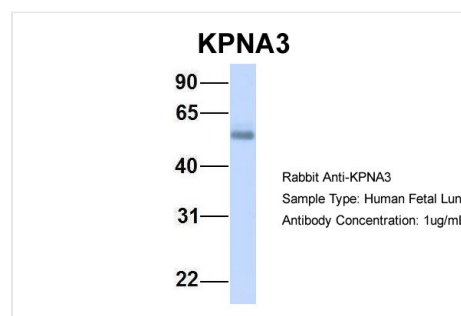
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Human, Mouse, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: AE NPSLENHRIK SFKNKGRDVE TMRRHRNEVT VELRKNKRDE HLLKKRNV
Sequence Length	521
Applicable Applications for anti-KPNA3 antibody	WB (Western Blot)
Homology	Cow: 77%; Dog: 77%; Guinea Pig: 100%; Human: 100%; Mouse: 100%; Rat: 100%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human KPNA3
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



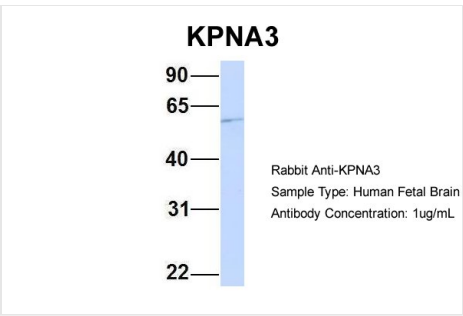
WB (Western Blot)

WB Suggested Anti-KPNA3 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:12500
Positive Control: MCF7 cell lysate. KPNA3 is strongly supported by BioGPS gene expression data to be expressed in MCF7



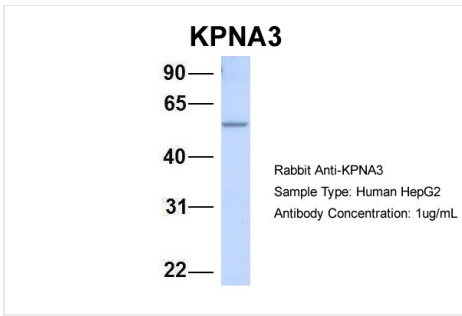
WB (Western Blot)

Host: Rabbit
Target Name: KPNA3
Sample Type: Human Fetal Lung
Antibody Dilution: 1.0ug/ml



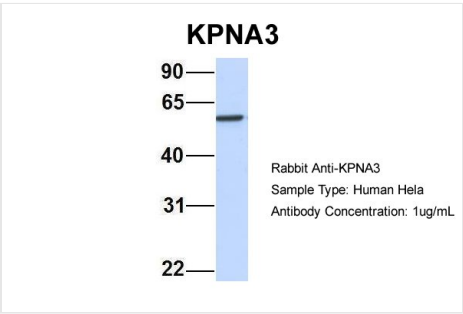
WB (Western Blot)

Host: RabbitTarget Name: KPNA3Sample Type: Human Fetal BrainAntibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: RabbitTarget Name: KPNA3Sample Type: HepG2Antibody Dilution: 1.0ug/mlKPNA3 is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells



WB (Western Blot)

Host: RabbitTarget Name: KPNA3Sample Type: HeLaAntibody Dilution: 1.0ug/mlKPNA3 is supported by BioGPS gene expression data to be expressed in HeLa

ADDITIONAL INFORMATION

Related Product Information for anti-KPNA3 antibody	This is a rabbit polyclonal antibody against KPNA3. It was validated on Western Blot using a cell lysate as a positive control.
	Target Description: The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is probably 120 million daltons in molecular size. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion; larger molecules are transported by an active process. Most nuclear proteins contain short basic amino acid sequences known as nuclear localization signals (NLSs). KPNA3 is a protein similar to certain nuclear transport proteins of Xenopus and human. The predicted amino acid sequence shows similarity to Xenopus importin, yeast SRP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins suggest that karyopherin alpha-3 may be involved in the nuclear transport system. The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is probably 120 million daltons in molecular size. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion; larger molecules are transported by an active process. Most nuclear proteins contain short basic amino acid sequences known as nuclear localization signals (NLSs). KPNA3, encodes a protein similar to certain nuclear transport proteins of Xenopus and human. The predicted amino acid sequence shows similarity to Xenopus importin, yeast SRP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins suggests that karyopherin alpha-3 may be involved in the nuclear transport system. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-KPNA3 antibody	Polyclonal; Chromatin & Nuclear Signaling; Signal Transduction; Various

NCBI AND UNIPROT INFORMATION

NCBI GI #	34485722
NCBI GeneID	3839
NCBI Accession #	NP_002258

NCBI GenBank Nucleotide #	NM_002267
UniProt Accession #	O00505
Molecular Weight	58kDa
NCBI Official Full Name	importin subunit alpha-4
NCBI Official Synonym Full Names	karyopherin subunit alpha 3
NCBI Official Symbol	KPNA3
NCBI Official Synonym Symbols	SRP1; SRP4; IPOA4; hSRP1; SRP1gamma
NCBI Protein Information	importin subunit alpha-4
UniProt Protein Name	Importin subunit alpha-4
UniProt Gene Name	KPNA3
UniProt Synonym Gene Names	QIP2; Qip2
UniProt Entry Name	IMA4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kpna3-antibody-western-blot-elisa/200397>