



Rabbit Anti-KIF22 antibody

SL17049R

Product Name:	KIF22
Chinese Name:	驱动蛋白家族成员22抗体
Alias:	A 328A3.2; KID; KIF 22; kif22; KIF22_HUMAN; Kinesin family member 22; Kinesin like 4; Kinesin like DNA binding protein; Kinesin like DNA binding protein pseudogene; Kinesin like protein 4; Kinesin like protein KIF22; Kinesin-like DNA-binding protein; Kinesin-like protein 4; Kinesin-like protein KIF22; KNSL 4; KNSL4; OBP 1; OBP 2; OBP; OBP1; OBP2; Origin of plasmid DNA replication binding protein; OriP binding protein; OTTHUMP00000123406.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Zebrafish,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	73kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human KIF22:221-320/665
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The protein encoded by this gene is a member of the kinesin-like protein family. The family members are microtubule-dependent molecular motors that transport organelles

within cells and move chromosomes during cell division. The C-terminal half of this protein has been shown to bind DNA. Studies with the *Xenopus* homolog suggests its essential role in metaphase chromosome alignment and maintenance. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]

Function:

Kinesin family that is involved in spindle formation and the movements of chromosomes during mitosis and meiosis. Binds to microtubules and to DNA.

Subcellular Location:

Nucleus. Cytoplasm; cytoskeleton.

Post-translational modifications:

Ubiquitinated; mediated by SIAH1 and leading to its subsequent proteasomal degradation.

Similarity:

Belongs to the kinesin-like protein family.
Contains 1 kinesin-motor domain.

SWISS:

Q14807

Gene ID:

3835

Database links:

[Entrez Gene: 3835](#) Human

[Entrez Gene: 110033](#) Mouse

[Entrez Gene: 293502](#) Rat

[Omim: 603213](#) Human

[SwissProt: Q14807](#) Human

[SwissProt: Q3V300](#) Mouse

[SwissProt: Q5I0E8](#) Rat

[Unigene: 612151](#) Human

[Unigene: 286488](#) Mouse

[Unigene: 8601](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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