

Rabbit Anti-KIF18A/AF350 Conjugated antibody

SL17042R-AF350

Product Name	Anti-KIF18A/AF350
Chinese Name	AF350 标记的驱动蛋白家族成员 18A 抗体
Alias	AU024633; B130001M12Rik; DKFZp434G2226; KI18A_HUMAN; KIF18A; KIF18A; kinesin family member 18A; Kinesin like protein KIF18A; Kinesin-like protein KIF18A; Marrow stromal KIF18A; MGC27627; MS KIF18A; MS-KIF18A; RGD1561740; RP23 206C1.1.
Research Area	Cell biology immunology Signal transduction
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,Chimpanzee)
Applications	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	102kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human KIF18A
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	background: KIF18A is a 898 amino acid protein that contains one kinesin-motor domain, which is responsible for the ATP-dependent movement of KIF18A across microtubules. KIF18A plays a role in chromosome congression by reducing

the amplitude of preanaphase oscillations and slowing poleward movement during anaphase, thus suppressing chromosome movements. Expression of KIF18A is induced by estrogen.

Function:

Microtubule-depolymerizing kinesin which plays a role in chromosome congression by reducing the amplitude of preanaphase oscillations and slowing poleward movement during anaphase, thus suppressing chromosome movements. May stabilize the CENPE-BUB1B complex at the kinetochores during early mitosis and maintains CENPE levels at kinetochores during chromosome congression.

Subcellular Location:

Cell projection > ruffle. Cytoplasm. Nucleus. Cytoplasm > cytoskeleton > centrosome.

Post-translational modifications:

Glycosylated.
Ubiquitinated.

Similarity:

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

Database links:

[Entrez Gene: 81930](#) Human

[Omim: 611271](#) Human

[SwissProt: Q8NI77](#) Human

[Unigene: 301052](#) Human

Important Note:

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