



Rabbit Anti-KIF17 antibody

SL3527R

Product Name:	KIF17
Chinese Name:	驱动蛋白家族KIF17抗体
Alias:	KIAA1405; KIF 17; KIF 17B; KIF 3X; KIF17B; KIF3-related motor protein; KIF3X; Kinesin family member 17; Kinesin like protein KIF 17; Kinesin like protein KIF17; KIF17 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	115kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human KIF17:201-300/1029
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 kinesin superfamily of proteins (KIFs) consists of a class of microtubule-dependent motors that play a major role in many cellular and developmental functions, including organelle transport, mitosis, meiosis, and possibly long-range signaling in neurons. The kinesin proteins are involved in organelle transport and are primarily associated with anterograde transport of vesicles and organelles in neurons, epithelial cells, and

melanosomes with bidirectional transport of mitochondria. They also mediate transport between the endoplasmic reticulum (ER) and the Golgi complex. In neurons, kinesin motors conduct vesicular transport, such as of synaptic vesicle components to axons and of neurotransmitter receptors to dendrites. KIF17 belongs to the functionally diverse subgroup of the kinesin superfamily characterized by a N-terminal motor domain (N-IV class), that includes the KIF3 motor protein. KIF17 is specifically expressed in the brain, present in abundance in the gray matter, particularly in the hippocampus and cerebral cortex, but not in the white matter such as the optic nerve.

Function:

Transports vesicles containing N-methyl-D-aspartate(NMDA) receptor 2B along microtubules (By similarity).

Subunit:

Interacts with LIN-10 PDZ domain. Interacts with PIWIL1(By similarity). Interacts with TBATA (By similarity).

Subcellular Location:

Cytoplasm, cytoskeleton (Probable).

Similarity:

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

SWISS:

Q9P2E2

Gene ID:

57576

Database links:

[Entrez Gene: 57576](#)Human

[Entrez Gene: 16559](#)Mouse

[Omim: 605037](#)Human

[SwissProt: Q9P2E2](#)Human

[SwissProt: Q99PW8](#)Mouse

[Unigene: 130411](#)Human

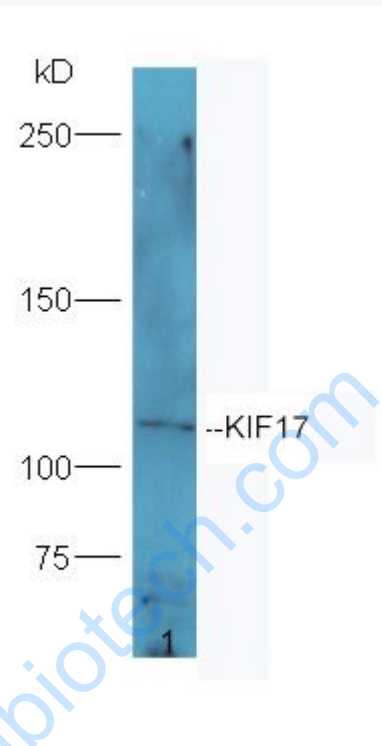
[Unigene: 271936](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Picture:



Sample: HepG2 Cell Lysate at 30 ug

Primary: Anti-KIF17 (SL3527R) at 1:300 dilution;

Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bse-0295G-HRP) at 1: 5000 dilution;

Predicted band size :115 kD

Observed band size :115 kD