SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-HOOK3 antibody

SL17355R

Product Name:	HOOK3
Chinese Name:	HOOK3蛋白抗体
Alias:	FLJ31058; h-hook3; hHK3; HK3; hook3; HOOK3_HUMAN; OTTHUMP00000229200; Protein Hook homolog 3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=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:	83kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HOOK3:481-580/718
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:	Hook proteins are cytosolic coiled-coil proteins that contain conserved N-terminal domains, which attach to microtubules, and more divergent C-terminal domains, which mediate binding to organelles. The Drosophila Hook protein is a component of the endocytic compartment.[supplied by OMIM, Apr 2004] **Function:**

Probably serves as a target for the spiC protein from Salmonella typhimurium, which inactivates it, leading to a strong alteration in cellular trafficking (By similarity). Component of the FTS/Hook/FHIP complex (FHF complex). The FHF complex may function to promote vesicle trafficking and/or fusion via the homotypic vesicular protein sorting complex (the HOPS complex). May regulate clearance of endocytosed receptors such as MSR1. Participates in defining the architecture and localization of the Golgi complex.

Subcellular Location:
Cytoplasm > cytoskeleton. Golgi apparatus. Enriched at the cis-face of the Golgi complex (By similarity). Localizes to microtubule asters in prophase.

Similarity:
Belongs to the hook family.

SWISS:
Q86VS8

Gene ID:
84376

Database links:

Entrez Gene: 84376 Human

Entrez Gene: 320191 Mouse

Entrez Gene: 306548 Rat

Omim: 607825 Human

SwissProt: Q86VS8 Human

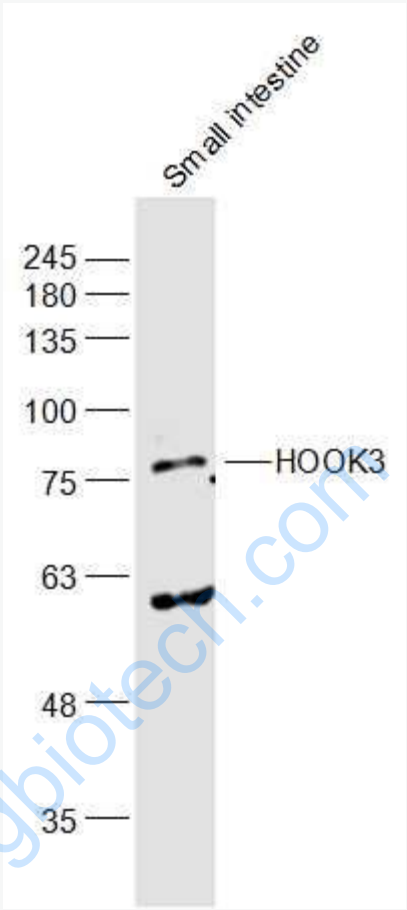
SwissProt: Q8BUK6 Mouse

Unigene: 162852 Human

Unigene: 334464 Mouse

Unigene: 203282 Rat

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

Picture:	 Sample: Small intestine(Mouse) Cell Lysate at 40 ug Primary: Anti-HOOK3(SL17355R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 83 kD Observed band size: 83 kD