



Datasheet for ABIN7165641
anti-HOOK3 antibody (AA 357-455)



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3 Images

Overview

Quantity:	100 µg
Target:	HOOK3
Binding Specificity:	AA 357-455
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOOK3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant Human Protein Hook homolog 3 protein (357-455AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	HOOK3
Alternative Name:	HOOK3 (HOOK3 Products)
Background:	Background: 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).

Target Details

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. Acts as an adapter protein linking the dynein motor complex to various cargos and converts dynein from a non-processive to a highly processive motor in the presence of dynactin. Facilitates the interaction between dynein and dynactin and activates dynein processivity (the ability to move along a microtubule for a long distance without falling off the track) (PubMed:25035494).

Aliases: FLJ31058 antibody, h-hook3 antibody, hHK3 antibody, HK3 antibody, hook3 antibody, HOOK3_HUMAN antibody, OTTHUMP00000229200 antibody, Protein Hook homolog 3 antibody

UniProt: [Q86VS8](#)

Pathways: [Stem Cell Maintenance](#), [Maintenance of Protein Location](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IP:1:200-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

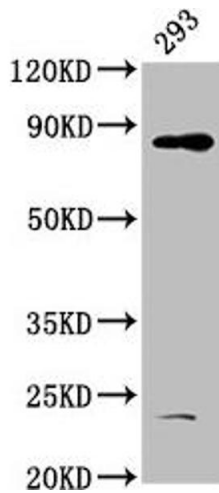
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

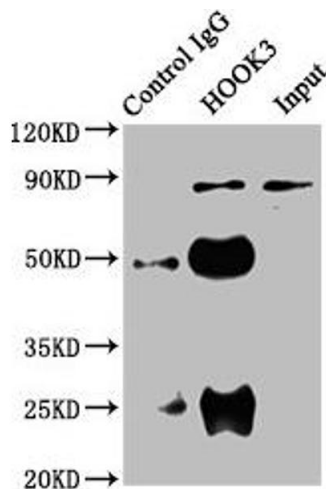
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



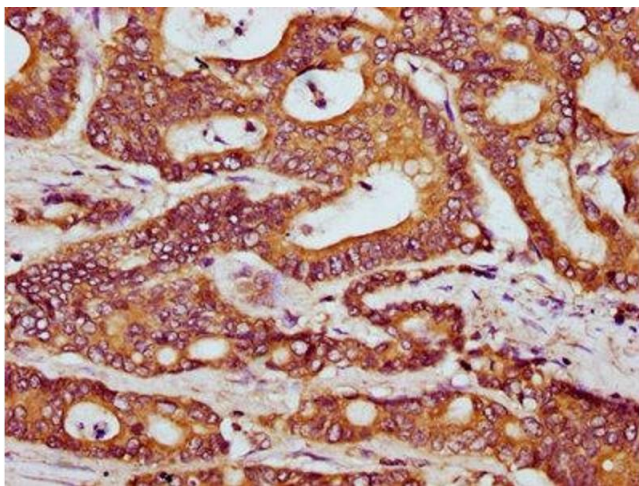
Western Blotting

Image 1. Western Blot Positive WB detected in: 293 whole cell lysate All lanes: HOOK3 antibody at 4.9 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 84 kDa Observed band size: 84 kDa



Western Blotting

Image 2. Immunoprecipitating HOOK3 in 293 whole cell lysate Lane 1: Rabbit control IgG instead of ABIN7165641 in 293 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: ABIN7165641 (6 µg) + 293 whole cell lysate (500 µg) Lane 3: 293 whole cell lysate (20 µg)



Immunohistochemistry

Image 3. IHC image of ABIN7165641 diluted at 1:300 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.