

## HOOK1 Polyclonal Antibody

Catalog number: 10871-1-AP

Size: 40 µg/150 µl

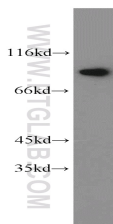
Source: Rabbit

Isotype: IgG

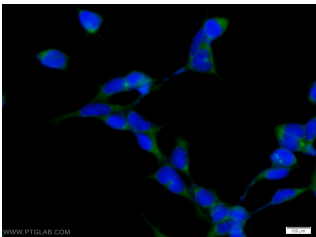
Synonyms:

HOOK1; h hook1, hHK1, HK1,  
hook homolog 1 (Drosophila),  
HOOK1, Protein Hook homolog

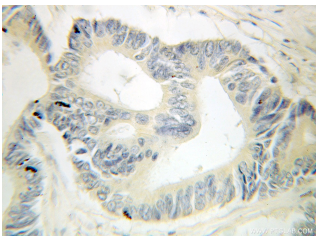
1



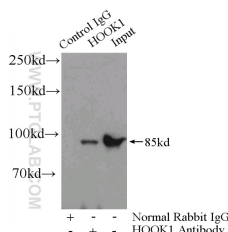
HEK-293 cells were subjected to SDS PAGE followed by western blot with 10871-1-AP(HOOK1 antibody) at dilution of 1:600



Immunofluorescent analysis of HEK-293 cells using 10871-1-AP( HOOK1 Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemical of paraffin-embedded human colon cancer using 10871-1-AP(HOOK1 antibody) at dilution of 1:100 (under 10x lens)



IP Result of anti-HOOK1

### Background

HOOK1, an orthologue of the Drosophila Hook protein, is a member of the microtubule-binding HOOK family of cytosolic coiled-coil proteins (HOOK1, HOOK2, HOOK3). These proteins contain conserved N-terminal domains, which attach to microtubules, and more divergent C-terminal domains, which mediate binding to organelles. HOOK1 is required for spermatid differentiation. It is probably involved in the positioning of the microtubules of the manchette and the flagellum in relation to the membrane skeleton. HOOK1 is a component of the FTS/Hook/FHIP complex which functions to promote vesicle trafficking and/or fusion via the HOPS (homotypic vesicular protein sorting) complex.

### Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Cited applications:	IHC, WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Mouse
Calculated HOOK1 MW:	85 kDa
Observed HOOK1 MW:	85 kDa
Positive WB detected in	HEK-293 cells, human brain tissue
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human colon cancer tissue
Positive IF detected in	HEK-293 cells
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:200-1:2000
	IHC: 1:20-1:200
	IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1311
GenBank accession number:	BC011621
Gene ID (NCBI):	51361
Full name:	Hook homolog 1 (Drosophila)

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

**(IP:10871-1-AP, 4ug;  
Detection:10871-1-AP 1:500)  
with mouse brain tissue lysate  
4680ug.**