

For Research Use Only

HOOK1 Polyclonal antibody, PBS Only

Catalog Number: 10871-1-PBS



Basic Information

Catalog Number:

10871-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1311

GenBank Accession Number:

BC011621

GeneID (NCBI):

51361

UNIPROT ID:

Q9UJC3

Full Name:

hook homolog 1 (Drosophila)

Calculated MW:

85 kDa

Observed MW:

85 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse

Background Information

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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

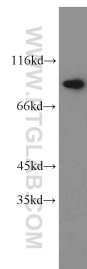
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

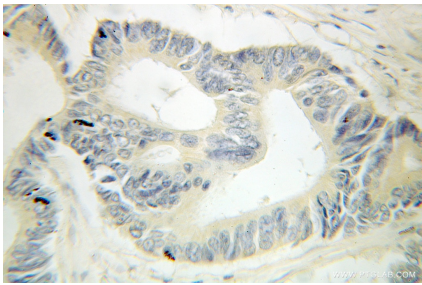
E: proteintech@ptglab.com
W: ptglab.com

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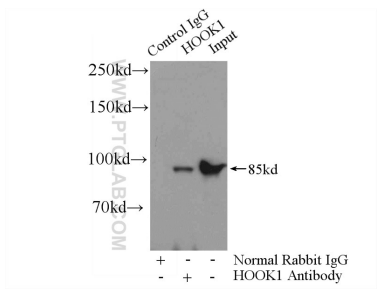
Selected Validation Data



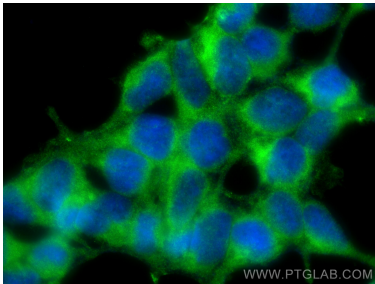
HEK-293 cells were subjected to SDS PAGE followed by western blot with 10871-1-AP (HOOK1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10871-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 10871-1-AP (HOOK1 antibody) at dilution of 1:100 (under 10x lens). This data was developed using the same antibody clone with 10871-1-PBS in a different storage buffer formulation.



IP result of anti-HOOK1 (IP:10871-1-AP, 4ug; Detection:10871-1-AP 1:500) with mouse brain tissue lysate 4680ug. This data was developed using the same antibody clone with 10871-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using HOOK1 antibody (10871-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 10871-1-PBS in a different storage buffer formulation.