

HOOK2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21495a

Product Information

Application WB, E **Primary Accession** Q96ED9

Reactivity Human, Mouse

Host Rabbit
Clonality polyclonal
Isotype Rabbit IgG
Clone Names RB49361
Calculated MW 83207

Additional Information

Gene ID 29911

Other Names Protein Hook homolog 2, h-hook2, hHK2, HOOK2

Target/Specificity This HOOK2 antibody is generated from a rabbit immunized with a KLH

conjugated synthetic peptide between 162-197 amino acids from the

N-terminal region of human HOOK2.

Dilution WB~~1:2000 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions HOOK2 Antibody (N-term) is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name HOOK2

Function 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). Contributes to the establishment and maintenance of centrosome function. May function in the

positioning or formation of aggresomes, which are pericentriolar

accumulations of misfolded proteins, proteasomes and chaperones. FHF

complex promotes the distribution of AP-4 complex to the perinuclear area of the cell (PubMed:32073997).

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q7TMK6}. Golgi apparatus, trans-Golgi network. Note=Colocalizes with aggresomes, which are aggregates of misfolded proteins, at the centrosome (PubMed:17540036). Also localizes to punctate cytoplasmic foci which do not appear to overlap with early or late endosomes, the endoplasmic reticulum, multivesicular bodies (MVBs), lysosome, or mitochondria (PubMed:17540036, PubMed:32073997). Often found in close association with microtubules (PubMed:17540036). Localizes to the manchette in elongating spermatids (By similarity). {ECO:0000250|UniProtKB:Q7TMK6, ECO:0000269|PubMed:17540036, ECO:0000269|PubMed:32073997}

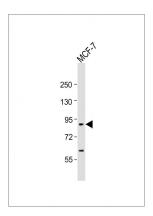
Background

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). Contributes to the establishment and maintenance of centrosome function. May function in the positioning or formation of aggresomes, which are pericentriolar accumulations of misfolded proteins, proteasomes and chaperones.

References

Kraemer H., et al. Genetics 151:675-684(1999). Grimwood J., et al. Nature 428:529-535(2004). Walenta J.H., et al. J. Cell Biol. 152:923-934(2001). Szebenyi G., et al. BMC Cell Biol. 8:19-19(2007). Szebenyi G., et al. Traffic 8:32-46(2007).

Images



Anti-HOOK2 Antibody (N-term)at 1:2000 dilution + MCF-7 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 83 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.