

ARG45157 anti-HOOK3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HOOK3
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	HOOK3
Species	Human
Immunogen	Recombinant protein containing to human HOOK3.
Conjugation	Un-conjugated
Alternate Names	Protein Hook homolog 3; h-hook3; Hhk3; HOOK3; HK3

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	2 µg/ml
	IHC-P	0.5-1 µg/ml
	WB	0.1-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	83 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

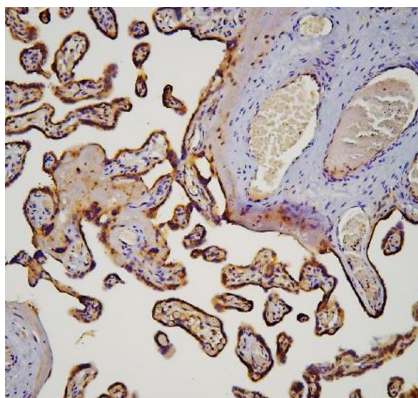
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

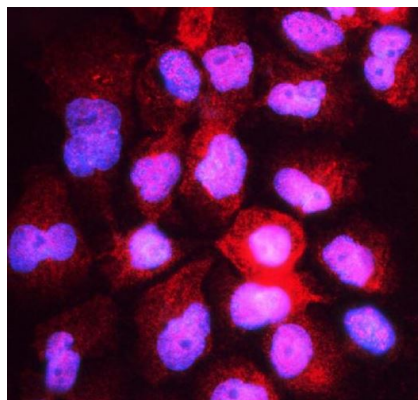
Gene Symbol	HOOK3
Gene Full Name	hook microtubule tethering protein 3
Background	Hook proteins are cytosolic coiled-coil proteins that contain conserved N-terminal domains, which attach to microtubules, and more divergent C-terminal domains, which mediate binding to organelles. The Drosophila Hook protein is a component of the endocytic compartment.[supplied by OMIM, Apr 2004]
Function	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). Predominantly recruits 2 dyneins, which increases both the force and speed of the microtubule motor . [UniProt]
Calculated Mw	83 kDa
PTM	Acetylation; Phosphoprotein. [UniProt]
Cellular Localization	Cytoskeleton; Golgi apparatusCytoplasm; Microtubule. [UniProt]

Images



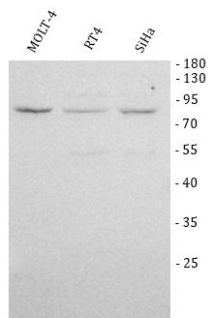
ARG45157 anti-HOOK3 antibody IHC-P image

Immunohistochemistry: Human placenta stained with ARG45157 anti-HOOK3 antibody at 1 µg/ml dilution.



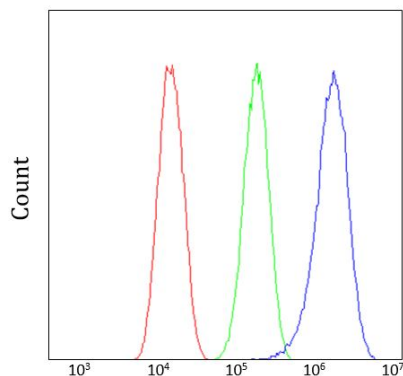
ARG45157 anti-HOOK3 antibody ICC/IF image

Immunofluorescence: A431 stained with ARG45157 anti-HOOK3 antibody at 2 ug/ml dilution.



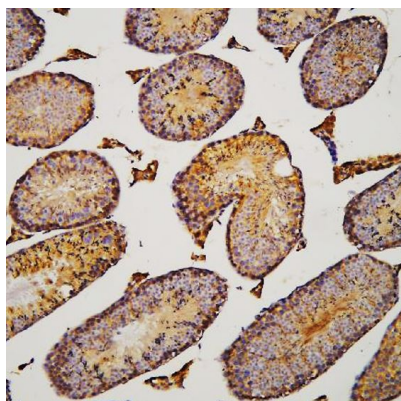
ARG45157 anti-HOOK3 antibody WB image

Western blot: MOLT-4, RT4, and SiHa stained with ARG45157 anti-HOOK3 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



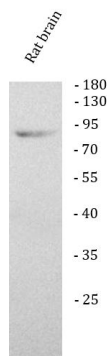
ARG45157 anti-HOOK3 antibody FACS image

Flow Cytometry: U87 stained with ARG45157 anti-HOOK3 antibody at 1 $\mu\text{g}/10^6$ cells dilution.



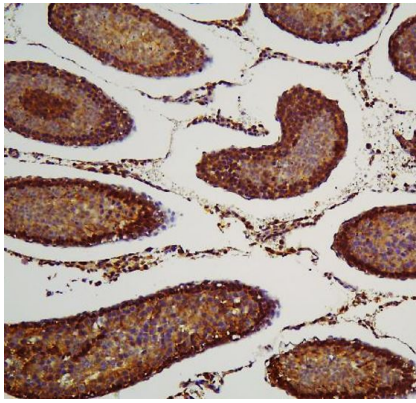
ARG45157 anti-HOOK3 antibody IHC-P image

Immunohistochemistry: Mouse testis stained with ARG45157 anti-HOOK3 antibody at 1 $\mu\text{g}/\text{ml}$ dilution.



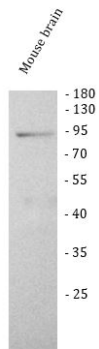
ARG45157 anti-HOOK3 antibody WB image

Western blot: Rat brain stained with ARG45157 anti-HOOK3 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



ARG45157 anti-HOOK3 antibody IHC-P image

Immunohistochemistry: Rat testis stained with ARG45157 anti-HOOK3 antibody at 1 µg/ml dilution.



ARG45157 anti-HOOK3 antibody WB image

Western blot: Mouse brain stained with ARG45157 anti-HOOK3 antibody at 0.5 µg/ml dilution.