


Product datasheet

Anti-HOOK2 antibody [EPR8673] ab133691

Recombinant RabMAb

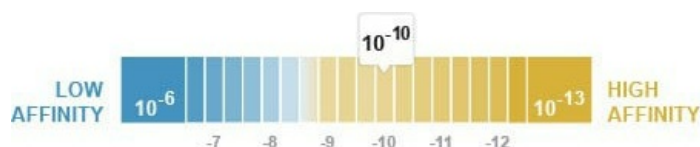
★★★★★ 1 Abreviews 1 References 4 Images

Overview

Product name	Anti-HOOK2 antibody [EPR8673]
Description	Rabbit monoclonal [EPR8673] to HOOK2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: ICC/IF or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human HOOK2 aa 1-100. The exact sequence is proprietary.
Positive control	HeLa, 293T and HepG2 whole cell lysate (ab7900); Human esophageal carcinoma tissue.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K _D)	K _D = 1.02 x 10 ⁻¹⁰ M



[Learn more about K_D](#)

Storage buffer	pH: 7.20
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	Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR8673
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab133691 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 83 kDa (predicted molecular weight: 83 kDa).
IHC-P	★★★★★ (1)	1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

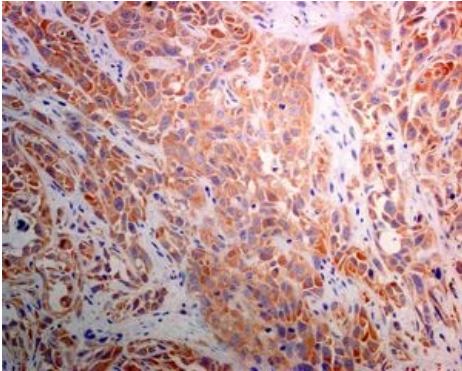
Application notes Is unsuitable for ICC/IF or IP.

Target

Relevance HOOK2 is a member of the Hook protein family. 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. HOOK2 localizes to the centrosome through all phases of the cell cycle. Interference with HOOK2 function results in the loss of the radial organization of microtubules suggesting that HOOK2 contributes to the establishment and maintenance of centrosomal structure and function. HOOK2 may contribute to the establishment and maintenance of the pericentrosomal localization of aggresomes by promoting the microtubule-based delivery of protein aggregates to pericentriolar aggresomes.

Cellular localization Cytoplasmic. Note=Associates with discrete punctate structure that correspond to neither early or late endosomes, lysosomes, multivesicular bodies (MVBs), Golgi complex, endoplasmic reticulum, nor mitochondria.

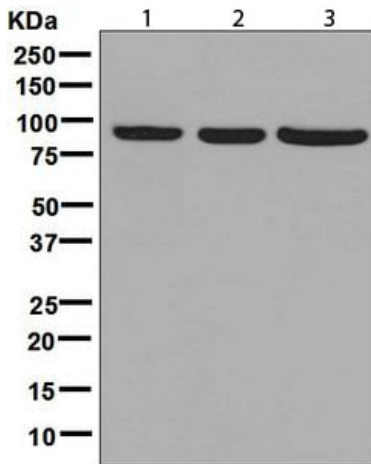
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HOOK2 antibody [EPR8673] (ab133691)

Immunohistochemical analysis of paraffin-embedded Human esophageal carcinoma tissue labelling HOOK2 with ab133691 at 1/100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-HOOK2 antibody [EPR8673] (ab133691)

All lanes : Anti-HOOK2 antibody [EPR8673] (ab133691) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : 293T cell lysate

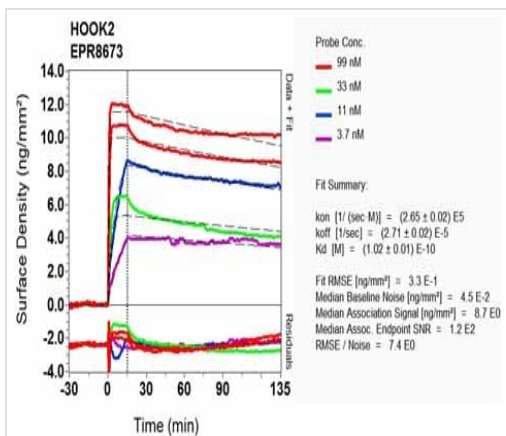
Lane 3 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 83 kDa



SPR Scanning - Anti-HOOK2 antibody [EPR8673]
(ab133691)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a
recombinant antibody?



**Research with
confidence**
Consistent and
reproducible results



**Long-term and
scalable supply**
Recombinant
technology



**Success from the
first experiment**
Confirmed
specificity



**Ethical standards
compliant**
Animal-free
production

Anti-HOOK2 antibody [EPR8673] (ab133691)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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