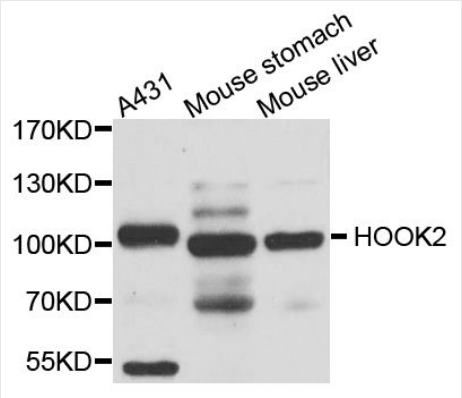
# HOOK2 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

| | |
|---|---|
| **Product Name** | HOOK2, Polyclonal Antibody |
| **Full Product Name** | HOOK2 Polyclonal Antibody |
| **Product Gene Name** | anti-HOOK2 antibody |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Purity/Purification** | Affinity Purification |
| **Preparation and Storage** | Store at -20 degree C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| **Molecular Weight** | 83kDa |
| **OMIM** | 607824 |
| **3D Structure** | ModBase 3D Structure for Q96ED9 |
| **Immunogen** | Recombinant protein of human HOOK2 |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-HOOK2 antibody** | Western Blot (WB) |
| **Application Notes for anti-HOOK2 antibody** | WB 1:500 - 1:2000 |
| **Related Product Information for anti-HOOK2 antibody** | 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. |
| **Other Notes** | Small volumes of anti-HOOK2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for HOOK2 purchase** | MBS9128080 is an antibody targeting HOOK2. Also known as HOOK2 Polyclonal Antibody. Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-HOOK2 antibody**
Western blot analysis of extracts of various cell lines, using HOOK2 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 15s.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HOOK2. It may not necessarily be applicable to this product.

| | |
|---|---|
| **NCBI GI #** | 154354987 |
| **NCBI GeneID** | 29911 |
| **NCBI Accession #** | NP_001093646.1 |
| **UniProt Primary Accession #** | Q96ED9 |
| **UniProt Secondary Accession #** | O60562 |
| **UniProt Related Accession #** | Q96ED9 |
| **GenBank Nucleotide #** | NM_001100176.1 |
| **NCBI Official Full Name** | protein Hook homolog 2 isoform 2 |
| **NCBI Official Synonym Full Names** | hook microtubule-tethering protein 2 |
| **NCBI Official Symbol** | HOOK2 |
| **NCBI Official Synonym Symbols** | HK2 |
| **UniProt Protein Name** | Protein Hook homolog 2 |
| **Protein Family** | Protein Hook |
| **UniProt Gene Name** | HOOK2 |
| **UniProt Synonym Gene Names** | h-hook2; hHK2 |
| **UniProt Entry Name** | HOOK2_HUMAN |
| **NCBI Protein Information** | protein Hook homolog 2 |

| | |
|---|---|
| **UniProt Comments for HOOK2** | HOOK2: 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. Belongs to the hook family. 2 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Cytoskeletal<br><br>Chromosomal Location of Human Ortholog: 19p13.2<br><br>Cellular Component: microtubule; centrosome<br><br>Molecular Function: identical protein binding; protein binding<br><br>Biological Process: protein transport; endosome organization and biogenesis; lysosome organization and biogenesis; early endosome to late endosome transport; endosome to lysosome transport; endocytosis |
| **Research Articles on HOOK2** | **1.** Hook2 localizes at the Golgi apparatus and centrosome/basal body, a strategic partitioning for ciliogenesis. Hook2 interacts with PCM1. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
| **Disclaimer** | While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice.<br><br>It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information. |
| **Product Note** | Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details. |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures.

**MyBioSource** | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/hook2/9128080