

# CASC5 Rabbit Polyclonal Antibody

Catalog No: #53505



Package Size: #53505-1 50ul #53505-2 100ul

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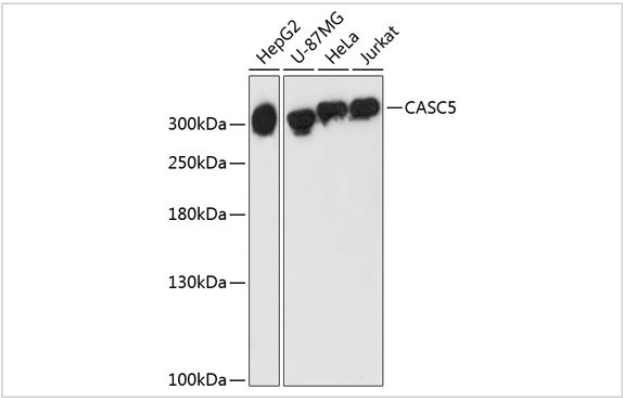
## Description

|                       |                                                               |
|-----------------------|---------------------------------------------------------------|
| Product Name          | CASC5 Rabbit Polyclonal Antibody                              |
| Host Species          | Rabbit                                                        |
| Clonality             | Polyclonal                                                    |
| Isotype               | IgG                                                           |
| Purification          | Affinity purification                                         |
| Applications          | WB,IHC,IF                                                     |
| Species Reactivity    | Human;Rat                                                     |
| Immunogen Description | Recombinant fusion protein of human CASC5 (NP_733468.3).      |
| Conjugates            | Unconjugated                                                  |
| Other Names           | AF15Q14;CASC5;CT29;D40;MCPH4;PPP1R55;Spc7;hKNL-1;hSpc105;KNL1 |
| Accession No.         | Swiss Prot:Q8NG31GeneID:57082                                 |
| Calculated MW         | 195kDa/205kDa/262kDa/265kDa                                   |
| SDS-PAGE MW           | 300kDa                                                        |
| Formulation           | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.       |
| Storage               | Store at -20°C. Avoid freeze / thaw cycles.                   |

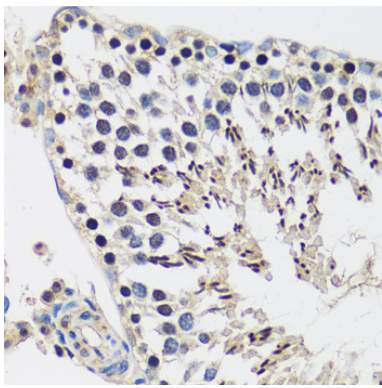
## Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:100IF 1:50 - 1:100

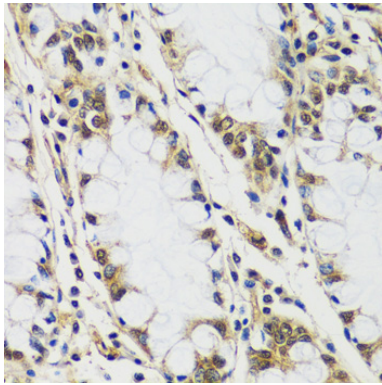
## Images



Western blot analysis of extracts of various cell lines, using CASC5 at 1:3000 dilution.



Immunohistochemistry of paraffin-embedded rat testis using CASC5 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human colon using CASC5 at dilution of 1:100 (40x lens).

## Background

The protein encoded by this gene is a component of the multiprotein assembly that is required for creation of kinetochore-microtubule attachments and chromosome segregation. The encoded protein functions as a scaffold for proteins that influence the spindle assembly checkpoint during the eukaryotic cell cycle and it interacts with at least five different kinetochore proteins and two checkpoint kinases. In adults, this gene is predominantly expressed in normal testes, various cancer cell lines and primary tumors from other tissues and is ubiquitously expressed in fetal tissues. This gene was originally identified as a fusion partner with the mixed-lineage leukemia (MLL) gene in t(11;15)(q23;q14). Mutations in this gene cause autosomal recessive primary microcephaly-4 (MCPH4). Alternative splicing results in multiple transcript variants encoding different isoforms. Additional splice variants have been described but their biological validity has not been confirmed.

## Published Papers

Xilin Lyu;Xiancheng Wang;Dongze Lin;Yuhan Lu;Chenxu Wang;Ziqin Yan;Zhiyi Wang;Ying Cheng;Jing Cheng;Xuelian Ren;Yi Su;Shijie Zhang;Yi Chen;He Huang;Yujun Zhao et al., Synthesis of an RBM39 Degradar That Downregulates CEP192 and Induces Disorganized Spindle Structures., , (2025)

[PMID:40107850](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.