

CASC5/KNL1 Rabbit pAb

CatalogNo: YN8803

| Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- WB

MW

- 258kD (Calculated)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

| Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality

Polyclonal

| Immunogen Information

Immunogen

Synthesized peptide derived from human CASC5/KNL1

Specificity

This antibody detects endogenous levels of CASC5/KNL1 at Human

| Target Information

Gene name

CASC5 KIAA1570 KNL1

Protein Name	Protein CASC5 (ALL1-fused gene from chromosome 15q14 protein) (AF15q14) (Bub-linking kinetochore protein) (Blinkin) (Cancer susceptibility candidate gene 5 protein) (Cancer/testis antigen 29) (CT29) (Kinetochore-null protein 1) (Protein D40/AF15q14)		
	Organism	Gene ID	UniProt ID
	Human	57082 ;	Q8NG31 ;
	Mouse		Q66JQ7 ;
Cellular Localization	Nucleus. Chromosome, centromere, kinetochore. Weakly expressed in interphase nuclei. Expression increases from prophase to late anaphase, but greatly diminishes from the telophase and cytokinesis to early G1 phase of cell cycle.		
Tissue specificity	Highly expressed in testis, where it is localized in germ cells, in particular in spermatocytes and in the pre-acrosome of round spermatids. Detected in the acrosome of ejaculated spermatozoa. Detected in adult thymus, bone marrow, colon, small intestine, appendix and placenta, and in fetal liver and thymus.		
Function	Performs two crucial functions during mitosis: it is essential for spindle-assembly checkpoint signaling and for correct chromosome alignment. Required for attachment of the kinetochores to the spindle microtubules. Directly links BUB1 and BUB1B to kinetochores. Part of the MIS12 complex, which may be fundamental for kinetochore formation and proper chromosome segregation during mitosis. Acts in coordination with CENPK to recruit the NDC80 complex to the outer kinetochore.		

| Validation Data

| Contact information

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CASC5/KNL1 Rabbit pAb

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