

KLHDC5 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI13309**Specification**

KLHDC5 antibody - middle region - Product Information

Application	WB
Primary Accession	O9P2K6
Other Accession	NM_020782 , NP_065833
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57kDa KDa

KLHDC5 antibody - middle region - Additional Information**Gene ID** 57542**Alias Symbol** KIAA1340, MGC131714, Ctb9, KLHDC5**Other Names**

Kelch-like protein 42, Cullin-3-binding protein 9, Ctb9, Kelch domain-containing protein 5, KLHL42, KIAA1340, KLHDC5

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-KLHDC5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

KLHDC5 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

KLHDC5 antibody - middle region - Protein Information**Name** KLHL42**Synonyms** KIAA1340, KLHDC5**Function**

Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex required for mitotic progression and cytokinesis. The BCR(KLHL42) E3 ubiquitin ligase complex mediates the ubiquitination and subsequent degradation of KATNA1. Involved in microtubule dynamics throughout mitosis.

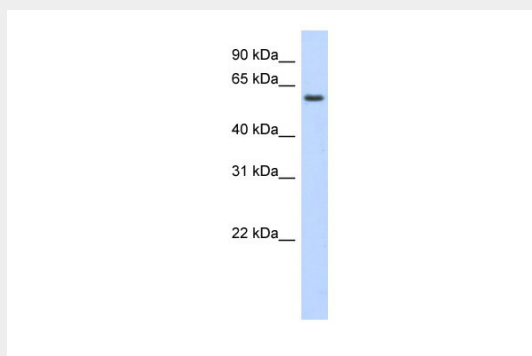
Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton, spindle Note=Predominantly in mitotic cells. Localized diffusely in the cytoplasm during the interphase. During metaphase is localized throughout the cell and more widely dispersed than the microtubules. In anaphase cells is localized between the two sets of separated chromosomes as well as at the spindle poles. During telophase is localized around the nuclei of the two daughter cells. Not detected at the midbody region during cytokinesis

KLHDC5 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KLHDC5 antibody - middle region - Images

WB Suggested Anti-KLHDC5 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: Transfected 293T

KLHDC5 antibody - middle region - References

- Scherer S.E., et al. Nature 440:346-351(2006).
Nagase T., et al. DNA Res. 7:65-73(2000).
Matsuoka S., et al. Science 316:1160-1166(2007).
Cummings C.M., et al. J. Biol. Chem. 284:11663-11675(2009).