

KLHL15 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14298**Specification**

KLHL15 antibody - middle region - Product Information

Application	WB
Primary Accession	O96M94
Other Accession	NM_030624 , NP_085127
Reactivity	Human, Mouse, Rat, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Mouse, Rat, Rabbit, Horse, Bovine, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 66kDa KDa

KLHL15 antibody - middle region - Additional Information**Gene ID** 80311

Alias Symbol	MGC126148, MGC126149
Other Names	
Kelch-like protein 15, KLHL15, KIAA1677	

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-KLHL15 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

KLHL15 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

KLHL15 antibody - middle region - Protein Information**Name** KLHL15**Synonyms** KIAA1677**Function**

Substrate-specific adapter for CUL3 E3 ubiquitin-protein ligase complex (PubMed:14528312, PubMed:27561354, PubMed:35219381). Acts as an adapter for CUL3 to target the serine/threonine-protein phosphatase 2A (PP2A) subunit PPP2R5B for ubiquitination and subsequent proteasomal degradation, thus promoting exchange with other

regulatory subunits (PubMed:23135275). Acts as an adapter for CUL3 to target the DNA-end resection factor RBBP8/CtIP for ubiquitination and subsequent proteasomal degradation (PubMed:27561354, PubMed:35219381). Through the regulation of RBBP8/CtIP protein turnover, plays a key role in DNA damage response, favoring DNA double-strand repair through error-prone non-homologous end joining (NHEJ) over error-free, RBBP8-mediated homologous recombination (HR) (PubMed:27561354, PubMed:35219381).

Cellular Location

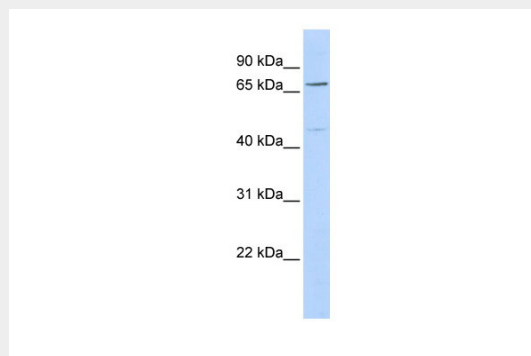
Nucleus.

KLHL15 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](#)

KLHL15 antibody - middle region - Images



WB Suggested Anti-KLHL15 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: 293T cell lysate

KLHL15 antibody - middle region - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Nagase T.,et al.DNA Res. 7:347-355(2000).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Furukawa M.,et al.Nat. Cell Biol. 5:1001-1007(2003).