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KLHL15 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI14298

Product Information

Application	WB
Primary Accession	Q96M94
Other Accession	NM_030624, NP_085127
Reactivity	Human, Mouse, Rat, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Mouse, Rat, Rabbit, Zebrafish, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69775

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.

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,

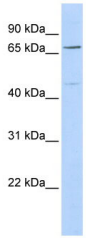
favoring DNA double-strand repair through error-prone non-homologous end joining (NHEJ) over error-free, RBBP8-mediated homologous recombination (HR) (PubMed:27561354, PubMed:35219381).

Cellular Location Nucleus.

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).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.