

KLHL15 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13750**Specification**

KLHL15 Antibody (C-Terminus) - Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q96M94
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A

KLHL15 Antibody (C-Terminus) - Additional Information**Gene ID** 80311**Other Names**

Kelch-like protein 15, KLHL15, KIAA1677

Target/Specificity

Human KLHL15

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

KLHL15 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

KLHL15 Antibody (C-Terminus) - 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

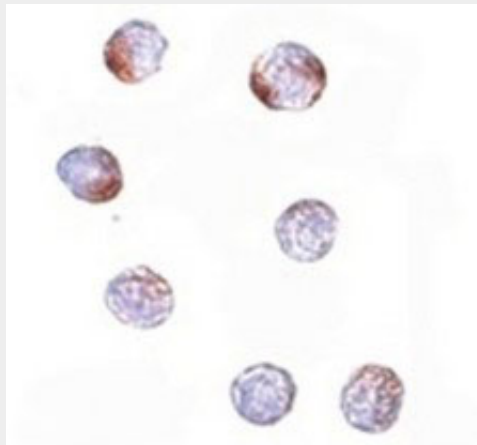
Nucleus.

KLHL15 Antibody (C-Terminus) - Protocols

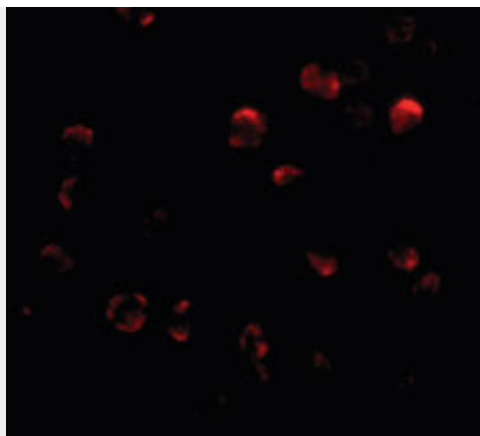
Provided below are standard protocols that you may find useful for product applications.

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

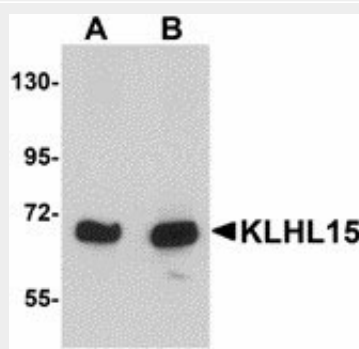
KLHL15 Antibody (C-Terminus) - Images



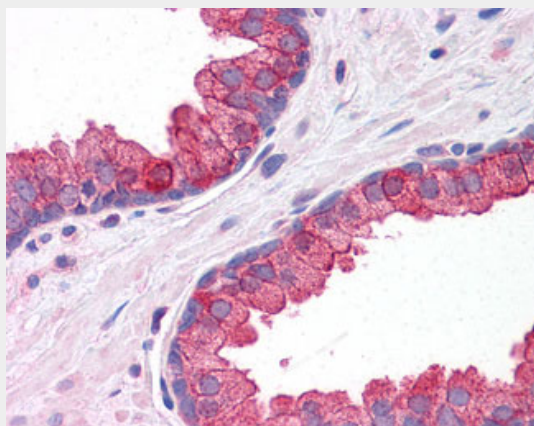
Immunocytochemistry of KLHL15 in HeLa cells with KLHL15 antibody at 5 ug/ml.



Immunofluorescence of KLHL15 in HeLa cells with KLHL15 antibody at 20 ug/ml.



Western blot of KLHL15 in HeLa cell lysate with KLHL15 antibody at (A) 1 and (B) 2 ug/ml.



Anti-KLHL15 antibody IHC of human prostate.

KLHL15 Antibody (C-Terminus) - Background

Probable substrate-specific adapter of an E3 ubiquitin- protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins.

KLHL15 Antibody (C-Terminus) - 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).