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KLHL3 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11522

Specification

KLHL3 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9UH77
Other Accession	NM_017415, NP_059111
Reactivity	**Human, Rat, Rabbit, Bovine, Dog**
Predicted	**Human, Rabbit, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**65kDa KDa**

KLHL3 antibody - N-terminal region - Additional Information

Gene ID 26249

Alias Symbol	**PHA2D**

Other Names
Kelch-like protein 3, KLHL3, KIAA1129

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

Reconstitution & Storage
Add 100 ul of distilled water. Final anti-KLHL3 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
KLHL3 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

KLHL3 antibody - N-terminal region - Protein Information

Name KLHL3 {ECO:0000303|PubMed:10843806, ECO:0000312|HGNC:HGNC:6354}

Function
Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex that acts as a regulator of ion transport in the distal nephron (PubMed:14528312, PubMed:22406640, PubMed:23387299, PubMed:23453970, PubMed:23576762, PubMed:23665031, PubMed:25313067, PubMed:<a

href="http://www.uniprot.org/citations/35093948" target="_blank">35093948). The BCR(KLHL3) complex acts by mediating ubiquitination and degradation of WNK1 and WNK4, two activators of Na- Cl cotransporter SLC12A3/NCC in distal convoluted tubule cells of kidney, thereby regulating NaCl reabsorption (PubMed:23387299, PubMed:23453970, PubMed:23576762, PubMed:23665031, PubMed:25313067, PubMed:35093948). The BCR(KLHL3) complex also mediates ubiquitination and degradation of WNK3 (PubMed:35179207). The BCR(KLHL3) complex also mediates ubiquitination of CLDN8, a tight-junction protein required for paracellular chloride transport in the kidney, leading to its degradation (By similarity).

Cellular Location
Cytoplasm, cytosol. Cytoplasm, cytoskeleton

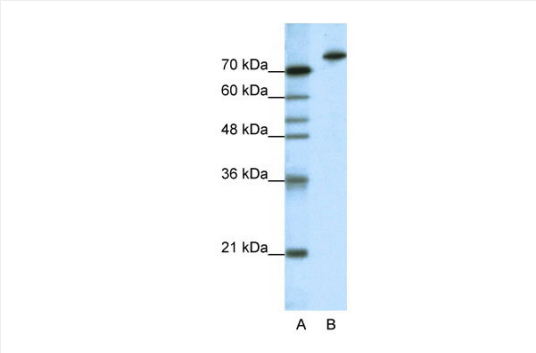
Tissue Location
Widely expressed..

KLHL3 antibody - N-terminal 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 Cytomety
- Cell Culture

KLHL3 antibody - N-terminal region - Images



WB Suggested Anti-KLHL3 Antibody Titration: 1.25µg/ml
ELISA Titer: 1:62500
Positive Control: HepG2 cell lysate

KLHL3 antibody - N-terminal region - References

Lai,F., et al., (2000) Genomics 66 (1), 65-75Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.