

KLHL2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17585a**Specification**

KLHL2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O95198
Other Accession	F1LZF0 , O8JZP3 , NP_001154993.1
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	65975
Antigen Region	77-103

KLHL2 Antibody (N-term) - Additional Information**Gene ID** 11275**Other Names**

Kelch-like protein 2, Actin-binding protein Mayven, KLHL2

Target/Specificity

This KLHL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 77-103 amino acids from the N-terminal region of human KLHL2.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

KLHL2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KLHL2 Antibody (N-term) - Protein Information**Name** KLHL2 {ECO:0000303|PubMed:23838290, ECO:0000312|HGNC:HGNC:6353}**Function** Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex that

mediates the ubiquitination of target proteins, such as NPTXR, WNK1, WNK3 and WNK4, leading most often to their proteasomal degradation (PubMed:[23838290](#)). The BCR(KLHL2) complex catalyzes ubiquitination and degradation of NPTXR (By similarity). Responsible for degradative ubiquitination of the WNK kinases WNK1, WNK3 and WNK4 (PubMed:[23838290](#)). Plays a role in the reorganization of the actin cytoskeleton (PubMed:[10397770](#)). Promotes growth of cell projections in oligodendrocyte precursors (PubMed:[15715669](#)).

Cellular Location

Cytoplasm, cytoskeleton. Cell projection, ruffle {ECO:0000250|UniProtKB:Q8JZP3}. Cell projection. Cell projection, lamellipodium {ECO:0000250|UniProtKB:F1LZF0}. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q8JZP3}. Note=A proportion colocalizes with the actin cytoskeleton (PubMed:10397770). When over-expressed, colocalizes with NPTXR in perinuclear aggresomes (By similarity) {ECO:0000250|UniProtKB:Q8JZP3, ECO:0000269|PubMed:10397770}

Tissue Location

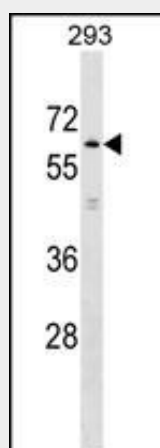
Ubiquitous. Detected throughout the brain.

KLHL2 Antibody (N-term) - 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](#)

KLHL2 Antibody (N-term) - Images



KLHL2 Antibody (N-term) (Cat. #AP17585a) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the KLHL2 antibody detected the KLHL2 protein (arrow).

KLHL2 Antibody (N-term) - Background

KLHL2 may play a role in organizing the actin cytoskeleton of the brain cells.

KLHL2 Antibody (N-term) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Williams, S.K., et al. J. Neurosci. Res. 81(5):622-631(2005)
Bu, X., et al. Oncogene 24(14):2398-2409(2005)
Soltysik-Espanola, M., et al. Mol. Biol. Cell 10(7):2361-2375(1999)