

KLHL2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17585a**Specification**

KLHL2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O95198](#)**KLHL2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 11275**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

KLHL2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

KLHL2 Antibody (N-term) Blocking Peptide - Images**KLHL2 Antibody (N-term) Blocking Peptide - Background**

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

KLHL2 Antibody (N-term) Blocking Peptide - 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)