

WDR45L Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13252a**Specification**

WDR45L Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q5MNZ6](#)**WDR45L Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 56270**Other Names**

WD repeat domain phosphoinositide-interacting protein 3, WIPI-3, WD repeat-containing protein 45-like, WDR45-like protein, WD repeat-containing protein 45B, WIPI49-like protein, WDR45B, WDR45L, WIPI3

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13252a was selected from the N-term region of WDR45L. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

WDR45L Antibody (N-term) Blocking peptide - Protein Information**Name** WDR45B**Synonyms** WDR45L, WIPI3**Function**

Component of the autophagy machinery that controls the major intracellular degradation process by which cytoplasmic materials are packaged into autophagosomes and delivered to lysosomes for degradation (PubMed:28561066). Binds phosphatidylinositol 3-phosphate (PtdIns3P), and other phosphoinositides including PtdIns(3,5)P2, forming on membranes of the endoplasmic reticulum upon activation of the upstream ULK1 and PI3 kinases and is recruited at phagophore assembly sites where it regulates the elongation of nascent phagophores downstream of WIPI2 (PubMed:28561066, PubMed:30797857). In the

cellular response to starvation, may also function together with the TSC1-TSC2 complex and RB1CC1 in the inhibition of the mTORC1 signaling pathway (PubMed:28503735).

Cellular Location

Preautophagosomal structure. Lysosome

Tissue Location

Ubiquitously expressed. Highly expressed in heart, skeletal muscle and pancreas. Up-regulated in a variety of tumor tissues including ovarian and uterine cancers

WDR45L Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

WDR45L Antibody (N-term) Blocking peptide - Images**WDR45L Antibody (N-term) Blocking peptide - Background**

This gene encodes a member of the WIPI or SVP1 family of WD40 repeat-containing proteins. The protein contains seven WD40 repeats that are thought to fold into a beta-propeller structure that mediates protein-protein interactions, and a conserved motif for interaction with phospholipids. The human genome contains several pseudogenes of this gene.

WDR45L Antibody (N-term) Blocking peptide - References

Proikas-Cezanne, T., et al. Oncogene 23(58):9314-9325(2004) Jeffries, T.R., et al. Mol. Biol. Cell 15(6):2652-2663(2004) Venter, J.C., et al. Science 291(5507):1304-1351(2001)