

WDR6 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP6954a**Specification**

WDR6 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9NNW5](#)**WDR6 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 11180**Other Names**

WD repeat-containing protein 6, WDR6

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6954a](/products/AP6954a) was selected from the N-term region of human WDR6. 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.

WDR6 Antibody (N-term) Blocking Peptide - Protein Information**Name** WDR6**Function**

Together with methyltransferase FTSJ1, methylates the 2'-O- ribose of nucleotides at position 34 of the tRNA anticodon loop of substrate tRNAs (PubMed: [32558197](http://www.uniprot.org/citations/32558197), PubMed: [33771871](http://www.uniprot.org/citations/33771871)). Required for the correct positioning of the substrate tRNA for methylation (PubMed: [32558197](http://www.uniprot.org/citations/32558197)). Required to suppress amino acid starvation-induced autophagy (PubMed: [22354037](http://www.uniprot.org/citations/22354037)). Enhances the STK11/LKB1-induced cell growth suppression activity (PubMed: [17216128](http://www.uniprot.org/citations/17216128)).

Cellular Location

Cytoplasm. Note=Colocalizes in the cytoplasm with STK11/LKB1

Tissue Location

Ubiquitous..

WDR6 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

WDR6 Antibody (N-term) Blocking Peptide - Images**WDR6 Antibody (N-term) Blocking Peptide - Background**

WDR6 is a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asn (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. This protein interacts with serine/threonine kinase 11, and is implicated in cell growth arrest.

WDR6 Antibody (N-term) Blocking Peptide - References

Chiba,T., et.al., Neurobiol. Aging 30 (3), 474-482 (2009)