

WDR41 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10866b**Specification**

WDR41 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q9HAD4](#)**WDR41 Antibody (C-term) Blocking peptide - Additional Information**

Gene ID 55255

Other Names

WD repeat-containing protein 41, WDR41

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.

WDR41 Antibody (C-term) Blocking peptide - Protein InformationName WDR41 ([HGNC:25601](#))**Function**

Non-catalytic component of the C9orf72-SMCR8 complex, a complex that has guanine nucleotide exchange factor (GEF) activity and regulates autophagy (PubMed:27193190, PubMed:27103069, PubMed:27617292, PubMed:28195531). The C9orf72-SMCR8 complex promotes the exchange of GDP to GTP, converting inactive GDP-bound RAB8A and RAB39B into their active GTP-bound form, thereby promoting autophagosome maturation (PubMed:27103069). As part of the C9orf72-SMCR8 complex, stimulates RAB8A and RAB11A GTPase activity in vitro, however WDR42 is shown not be an essential complex component for this function (PubMed:32303654). The C9orf72-SMCR8 complex also acts as a negative regulator of autophagy initiation by interacting with the ULK1/ATG1 kinase complex and inhibiting its protein kinase activity (PubMed:27103069, PubMed:27617292).

Cellular Location

Cytoplasm.

WDR41 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

WDR41 Antibody (C-term) Blocking peptide - Images**WDR41 Antibody (C-term) Blocking peptide - References**

Bailey, S.D., et al. Diabetes Care (2010) In press :Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)