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WDFY2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5783c

Specification

WDFY2 Antibody (Center) Blocking peptide - Product Information

Primary Accession	Q96P53
Other Accession	NP_443182.1

WDFY2 Antibody (Center) Blocking peptide - Additional Information

Gene ID 115825

Other Names
WD repeat and FYVE domain-containing protein 2, WD40- and FYVE domain-containing protein 2, Zinc finger FYVE domain-containing protein 22, WDFY2, WDF2, ZFYVE22

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.

WDFY2 Antibody (Center) Blocking peptide - Protein Information

Name WDFY2

Synonyms WDF2, ZFYVE22

Function
Acts in an adapter protein-like fashion to mediate the interaction between the kinase PRKCZ and its substrate VAMP2 and increases the PRKCZ-dependent phosphorylation of VAMP2 (PubMed:17313651). Positively regulates adipocyte differentiation, by facilitating the phosphorylation and thus inactivation of the anti- adipogenetic transcription factor FOXO1 by the kinase AKT1 (PubMed:18388859). Plays a role in endosomal control of AKT2 signaling; required for insulin-stimulated AKT2 phosphorylation and glucose uptake and insulin-stimulated phosphorylation of AKT2 substrates (By similarity). Participates in transferrin receptor endocytosis (PubMed:16873553).

Cellular Location
Endosome. Early endosome. Cytoplasm {ECO:0000250|UniProtKB:Q8BUB4}. Note=Localizes to intracellular vesicles (PubMed:16792529). Colocalizes with VAMP2 and PRKCZ in intracellular

vesicles (PubMed:17313651). Colocalizes with AKT2 in early endosomes (By similarity). {ECO:0000250|UniProtKB:Q8BUB4, ECO:0000269|PubMed:16792529, ECO:0000269|PubMed:17313651}

WDFY2 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

WDFY2 Antibody (Center) Blocking peptide - Images

WDFY2 Antibody (Center) Blocking peptide - Background

WDFY2 is a protein that contains two WD domainsand an FYVE zinc finger region. The function of this gene isunknown. An alternatively spliced transcript variant of this genemay exist.

WDFY2 Antibody (Center) Blocking peptide - References

Fritzius, T., et al. FEBS J. 274(6):1552-1566(2007)Fritzius, T., et al. Biochem. J. 399(1):9-20(2006)Hayakawa, A., et al. Proc. Natl. Acad. Sci. U.S.A. 103(32):11928-11933(2006)