

BRWD2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5715c**Specification**

BRWD2 Antibody (Center) Blocking peptide - Product Information

Primary Accession [O9BZH6](#)
Other Accession [NP_060587.8](#)

BRWD2 Antibody (Center) Blocking peptide - Additional Information

Gene ID 55717

Other Names

WD repeat-containing protein 11, Bromodomain and WD repeat-containing protein 2, WD repeat-containing protein 15, WDR11, BRWD2, KIAA1351, WDR15

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.

BRWD2 Antibody (Center) Blocking peptide - Protein Information

Name WDR11

Synonyms BRWD2, KIAA1351, WDR15

Function

Involved in the Hedgehog (Hh) signaling pathway, is essential for normal ciliogenesis (PubMed: [29263200](http://www.uniprot.org/citations/29263200)). Regulates the proteolytic processing of GLI3 and cooperates with the transcription factor EMX1 in the induction of downstream Hh pathway gene expression and gonadotropin-releasing hormone production (PubMed: [29263200](http://www.uniprot.org/citations/29263200)). WDR11 complex facilitates the tethering of Adaptor protein-1 complex (AP-1)- derived vesicles. WDR11 complex acts together with TBC1D23 to facilitate the golgin-mediated capture of vesicles generated using AP-1 (PubMed: [29426865](http://www.uniprot.org/citations/29426865)).

Cellular Location

Cytoplasm, cytoskeleton, cilium basal body. Cytoplasm Nucleus Cytoplasm, cytoskeleton, cilium axoneme Cytoplasmic vesicle. Golgi apparatus, trans-Golgi network. Note=Shuttles from the cilium to the nucleus in response to Hh signaling (PubMed:29263200). Might be shuttling between the

nucleus and the cytoplasm (PubMed:20887964)

Tissue Location

Ubiquitous.

BRWD2 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

BRWD2 Antibody (Center) Blocking peptide - Images**BRWD2 Antibody (Center) Blocking peptide - Background**

WDR11 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-aspartate (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This gene is located in the chromosome 10q25-26 region, which is frequently deleted in gliomas and tumors of other tissues, and is disrupted by the (10;19) translocation rearrangement in glioblastoma cells. The gene location suggests that it is a candidate gene for the tumor suppressor locus.

BRWD2 Antibody (Center) Blocking peptide - References

Katoh, M., et al. Int. J. Mol. Med. 11(5):579-583(2003) Katoh, M., et al. Int. J. Oncol. 22(5):1155-1159(2003) Chernova, O.B., et al. Oncogene 20(38):5378-5392(2001)