

ZYG11B Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP8891b**Specification**

ZYG11B Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O9C0D3](#)**ZYG11B Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 79699**Other Names**

Protein zyg-11 homolog B, ZYG11B, KIAA1730

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8891b](/products/AP8891b) was selected from the C-term region of human ZYG11B. 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.

ZYG11B Antibody (C-term) Blocking Peptide - Protein Information**Name** ZYG11B ([HGNC:25820](#))**Synonyms** KIAA1730**Function**

Serves as substrate adapter subunit in the E3 ubiquitin ligase complex ZYG11B-CUL2-Elongin BC. Acts to target substrates bearing N-terminal degrons for proteasomal degradation with the first four residues of substrates being the key recognition elements (PubMed:[33093214](http://www.uniprot.org/citations/33093214), PubMed:[34214466](http://www.uniprot.org/citations/34214466), PubMed:[35636250](http://www.uniprot.org/citations/35636250)). Prefers Nt-Gly but also has the capacity to recognize Nt-Ser, -Ala and -Cys (PubMed:[36496439](http://www.uniprot.org/citations/36496439)). Involved in the clearance of proteolytic fragments generated by caspase cleavage during apoptosis since N-terminal glycine degrons are strongly enriched at caspase cleavage sites. Also important in the

quality control of protein N-myristoylation in which N-terminal glycine degrons are conditionally exposed after a failure of N- myristoylation (PubMed:31273098). In addition, plays a role in the amplification of cGAS to enhance innate immune response. Mechanistically, strengthens the processes of cGAS binding with dsDNA and assembling oligomers and also accelerates and stabilizes cGAS-DNA condensation, thereby enhancing production of antiviral IFNs and inflammatory cytokines (PubMed:36933219).

Cellular Location

Cytoplasm.

ZYG11B Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ZYG11B Antibody (C-term) Blocking Peptide - Images**ZYG11B Antibody (C-term) Blocking Peptide - Background**

ZYG11B probably acts as target recruitment subunit in the E3 ubiquitin ligase complex ZYG11B-CUL2-Elongin BC.

ZYG11B Antibody (C-term) Blocking Peptide - References

Vasudevan,S., et.al., EMBO Rep. 8 (3), 279-286 (2007)