

C1orf135 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17762b**Specification**

C1orf135 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9H7T9](#)**C1orf135 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 79000**Other Names**

Aurora kinase A and ninein-interacting protein, AIBp, AUNIP, C1orf135

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.

C1orf135 Antibody (C-term) Blocking Peptide - Protein Information**Name** AUNIP {ECO:0000303|PubMed:29042561, ECO:0000312|HGNC:HGNC:28363}**Function**

DNA-binding protein that accumulates at DNA double-strand breaks (DSBs) following DNA damage and promotes DNA resection and homologous recombination (PubMed:29042561). Serves as a sensor of DNA damage: binds DNA with a strong preference for DNA substrates that mimic structures generated at stalled replication forks, and anchors RBBP8/CtIP to DSB sites to promote DNA end resection and ensuing homologous recombination repair (PubMed:29042561). Inhibits non-homologous end joining (NHEJ) (PubMed:29042561). Required for the dynamic movement of AURKA at the centrosomes and spindle apparatus during the cell cycle (PubMed:20596670).

Cellular Location

Nucleus. Chromosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole Note=Accumulates at sites of DNA damage by binding to DNA substrates that mimic structures generated at stalled replication forks (PubMed:29042561). Localizes to the centrosome in interphase and to the spindle pole in metaphase (PubMed:20596670)

Tissue Location

Expressed in heart, skeletal muscles, placenta and testis

C1orf135 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

C1orf135 Antibody (C-term) Blocking Peptide - Images**C1orf135 Antibody (C-term) Blocking Peptide - Background**

The function of this protein remains unknown.

C1orf135 Antibody (C-term) Blocking Peptide - References

Matsuoka, S., et al. Science 316(5828):1160-1166(2007)Suzuki, Y., et al. Gene 200 (1-2), 149-156 (1997) :