

ZNF207 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14385a**Specification**

ZNF207 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O43670](#)**ZNF207 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 7756**Other Names**

BUB3-interacting and GLEBS motif-containing protein ZNF207, BuGZ, Zinc finger protein 207, ZNF207, BUGZ

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.

ZNF207 Antibody (N-term) Blocking Peptide - Protein Information**Name** ZNF207 ([HGNC:12998](#))**Function**

Kinetochore- and microtubule-binding protein that plays a key role in spindle assembly (PubMed:24462186, PubMed:24462187, PubMed:26388440). ZNF207/BuGZ is mainly composed of disordered low- complexity regions and undergoes phase transition or coacervation to form temperature-dependent liquid droplets. Coacervation promotes microtubule bundling and concentrates tubulin, promoting microtubule polymerization and assembly of spindle and spindle matrix by concentrating its building blocks (PubMed:26388440). Also acts as a regulator of mitotic chromosome alignment by mediating the stability and kinetochore loading of BUB3 (PubMed:24462186, PubMed:24462187). Mechanisms by which BUB3 is protected are unclear: according to a first report, ZNF207/BuGZ may act by blocking ubiquitination and proteasomal degradation of BUB3 (PubMed:24462186). According to another report, the stabilization is independent of the proteasome (PubMed:24462187).

target="_blank">24462187).

Cellular Location

Nucleus. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, spindle.

Note=Localizes primarily to the nucleus in interphase, concentrates at kinetochores prior to nuclear envelope breakdown and during early prometaphase, and disappears from kinetochores upon microtubule-binding

Tissue Location

Ubiquitous..

ZNF207 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ZNF207 Antibody (N-term) Blocking Peptide - Images**ZNF207 Antibody (N-term) Blocking Peptide - Background**

ZNF207 is a new candidate transcription factor.

ZNF207 Antibody (N-term) Blocking Peptide - References

Andersen, J.S., et al. Nature 433(7021):77-83(2005)Pahl, P.M., et al. Genomics 53(3):410-412(1998)