

**ZNF207 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14385a****Specification**

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**ZNF207 Antibody (N-term) - Product Information**

Application	IF, WB,E
Primary Accession	<a href="#">O43670</a>
Other Accession	<a href="#">O9JMD0</a> , <a href="#">NP_001027464.1</a> , <a href="#">NP_001091977.1</a>
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	50751
Antigen Region	88-116

**ZNF207 Antibody (N-term) - Additional Information****Gene ID** 7756**Other Names**

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

**Target/Specificity**

This ZNF207 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 88-116 amino acids from the N-terminal region of human ZNF207.

**Dilution**

IF~~1:10~50

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ZNF207 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ZNF207 Antibody (N-term) - 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](#)).

#### 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

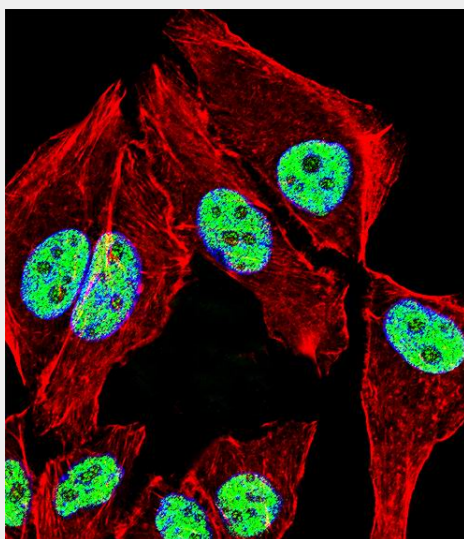
Ubiquitous..

#### ZNF207 Antibody (N-term) - Protocols

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

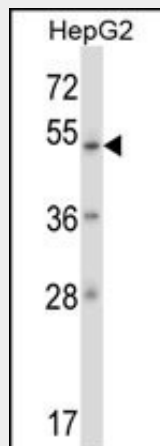
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### ZNF207 Antibody (N-term) - Images



Fluorescent confocal image of A549 cell stained with ZNF207 Antibody

(N-term)(Cat#AP14385a).A549 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with ZNF207 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). ZNF207 immunoreactivity is localized to Nucleus significantly.



ZNF207 Antibody (N-term) (Cat. #AP14385a) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the ZNF207 antibody detected the ZNF207 protein (arrow).

#### **ZNF207 Antibody (N-term) - Background**

ZNF207 is a new candidate transcription factor.

#### **ZNF207 Antibody (N-term) - References**

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