

ZNF207 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54975

Specification

ZNF207 Polyclonal Antibody - Product Information

Application WB
Primary Accession 043670

Reactivity Rat, Pig, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 50751

ZNF207 Polyclonal Antibody - Additional Information

Gene ID 7756

Other Names

BUB3-interacting and GLEBS motif-containing protein ZNF207, BuGZ, hBuGZ, Zinc finger protein 207, ZNF207 (HGNC:12998)

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

ZNF207 Polyclonal Antibody - 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 target="_blank">24462187). Mechanisms by which BUB3 is protected are unclear; according



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

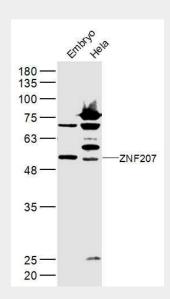
Tissue Location Ubiquitous..

ZNF207 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

ZNF207 Polyclonal Antibody - Images



Sample:

Embryo (Mouse) Lysate at 40 ug Hela (Human) Lysate at 30 ug

Primary: Anti-ZNF207 (bs-12798R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 51 kD Observed band size: 51 kD



