

CAPZA3 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14312**Specification**

CAPZA3 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O96KX2
Other Accession	NM_033328 , NP_201585
Reactivity	Human, Mouse, Rat, Rabbit, Guinea Pig, Dog
Predicted	Rat, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33kDa KDa

CAPZA3 antibody - N-terminal region - Additional Information**Gene ID** 93661**Alias Symbol** CAPPA3, Gsg3**Other Names**

F-actin-capping protein subunit alpha-3, CapZ alpha-3, CP-alpha-3, Germ cell-specific protein 3, CAPZA3, CAPAA3, GSG3

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-CAPZA3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

CAPZA3 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

CAPZA3 antibody - N-terminal region - Protein Information**Name** CAPZA3**Synonyms** CAPAA3, GSG3**Function**

F-actin-capping proteins bind in a Ca(2+)-independent manner to the fast growing ends of actin filaments (barbed end) thereby blocking the exchange of subunits at these ends. Unlike other capping proteins (such as gelsolin and severin), these proteins do not sever actin filaments. May play a role in the morphogenesis of spermatid (By similarity).

Cellular Location

Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:A0PFK5}

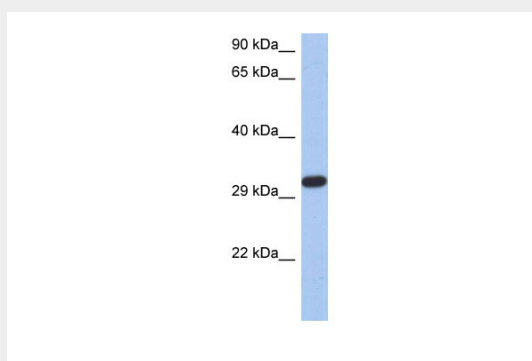
Tissue Location

Expressed exclusively in testis and sperm. Highest expression is found in the neck region of ejaculated sperm with lower levels found in the tail and postacrosome region

CAPZA3 antibody - N-terminal region - 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](#)

CAPZA3 antibody - N-terminal region - Images

WB Suggested Anti-CAPZA3 Antibody Titration: 0.2-1 μ g/ml

ELISA Titer: 1:1562500

Positive Control: DU145 cell lysate

CAPZA3 antibody - N-terminal region - References

Miyagawa Y., et al. Mol. Hum. Reprod. 8:531-539(2002).

Ota T., et al. Nat. Genet. 36:40-45(2004).

Derivery E., et al. Dev. Cell 17:712-723(2009).