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

Specification

CAPZA3 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q96KX2
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).

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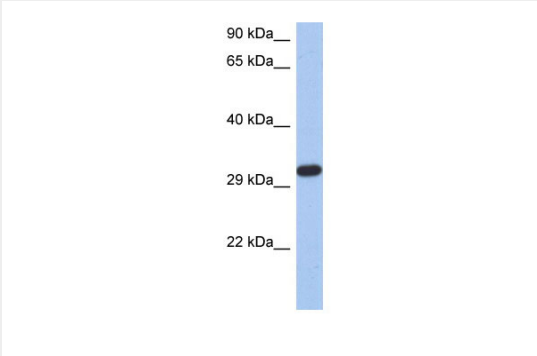
Tissue Location
Expressed exclusively in testis and sperm. Highest expression is found in the neck region of ejaculated sperm with lower levels found in the tail and postacrosome region

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 Cytomety
- Cell Culture

CAPZA3 antibody - N-terminal region - Images



WB Suggested Anti-CAPZA3 Antibody Titration: 0.2-1 µg/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).