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CAPZA3 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14312

Product Information

Application	WB
Primary Accession	Q96KX2
Other Accession	NM_033328, NP_201585
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig
Predicted	Rat, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35025

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.

Protein Information

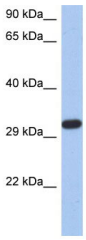
Name	CAPZA3
Synonyms	CAPAA3, GSG3
Function	F-actin-capping proteins bind in a Ca(2+)-independent manner to the fast growing ends of actin filaments (barbed end) thereby blocking the exchange of subunits at these ends. Unlike other capping proteins (such as gelsolin and severin), these proteins do not 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

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).

Images



WB Suggested Anti-CAPZA3 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: DU145 cell lysate