

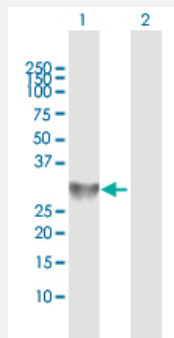
MaxPab®

CAPZA3 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00093661-D01

Size 100 uL

Applications

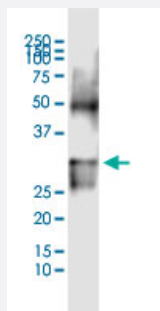


Western Blot (Transfected lysate)

Western Blot analysis of CAPZA3 expression in transfected 293T cell line ([H00093661-T01](#)) by CAPZA3 MaxPab polyclonal antibody.

Lane 1: CAPZA3 transfected lysate(35.10 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of CAPZA3 transfected lysate using anti-CAPZA3 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with CAPZA3 purified MaxPab mouse polyclonal antibody (B01P) ([H00093661-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human CAPZA3 protein.

Immunogen

CAPZA3 (AAH16745.1, 1 a.a. ~ 299 a.a) full-length human protein.

Sequence

MTLSVLSRKDKERVIRLLLLQAPPGEFVNAFDDLCLLIRDEKLMHHQGECAGHQHCQKYSVPLCI
DGNPVLLSHHNVMGDYRFFDHQSKLSFKYYLLQNQLKDIQSHGIIQNEAEYLRVVLLCALKLYND
HYPKGNCNMLRKTVKSKEYLIACIEDHNYETGECWNLWWSKWIFQVNPFLTQVTGRIFVQAHFFR
CVNLHIEISKDLKESLEIVNQAQLALSFAFLVEEQENKFQAAVLEELQELSNEALRKILRRDLPVTR
TLIDWHRILSDLNLVMYPKLGYYISRSVLCNWII

Host

Rabbit

Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (89)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

- Immunoprecipitation

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[Protocol Download](#)

Gene Info — CAPZA3

Entrez GeneID	93661
GeneBank Accession#	BC016745.2
Protein Accession#	AAH16745.1
Gene Name	CAPZA3
Gene Alias	CAPPA3, Gsg3
Gene Description	capping protein (actin filament) muscle Z-line, alpha 3
Omim ID	608722
Gene Ontology	Hyperlink

Gene Summary

This gene encodes an actin capping protein, one of the F-actin capping protein alpha subunit family. The encoded protein is predominantly localized to the neck region of ejaculated sperm, other immunohistochemical signals were found in the tail and postacrosomal regions. The encoded protein may also form heterodimers of alpha and beta subunits. This protein may be important in determining sperm architecture and male fertility. [provided by RefSeq]

Other Designations

CapZ alpha-3|F-actin capping protein alpha-3 subunit|capping protein alpha 3

Publication Reference

- [The expression of human testis-specific actin capping protein predicts in vitro fertilization outcomes: A novel biomarker of sperm function for assisted reproductive technology.](#)

Yusuke Inagaki, Shinichiro Fukuhara, Sohei Kuribayashi, Koichi Okada, Yosuke Sekii, Kentaro Takezawa, Hiroshi Kiuchi, Tetsuji Soda, Yasushi Miyagawa, Yoshio Okamoto, Hiromitsu Tanaka, Norio Nonomura.

Reproductive Medicine and Biology 2021 Aug; 20(4):537.

Application: IHC, Human, Human sperm samples

- [Systematic characterization of human testis-specific actin capping protein \$\beta 3\$ as a possible biomarker for male infertility.](#)

Soda T, Miyagawa Y, Ueda N, Takezawa K, Okuda H, Fukuhara S, Fujita K, Kiuchi H, Uemura M, Okamoto Y, Tsujimura A, Tanaka H, Nonomura N.

Human Reproduction 2017 Mar; 32(3):514.

Application: IF, IHC, WB, Human, Human sperm

Disease

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- [Diabetes Mellitus](#)
- [Edema](#)