

Datasheet for ABIN2787761
anti-CAPZA3 antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	CAPZA3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Rabbit, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CAPZA3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CAPZA3
Sequence:	MTLSVLSRKD KERVIRLLL QAPPGFVNA FDDLCLLIRD EKLMHHQGEC
Predicted Reactivity:	Dog: 92%, Guinea Pig: 92%, Human: 100%, Mouse: 85%, Rabbit: 92%, Rat: 85%
Characteristics:	This is a rabbit polyclonal antibody against CAPZA3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CAPZA3
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Target Details

Alternative Name:	CAPZA3 (CAPZA3 Products)
Background:	<p>F-actin-capping proteins bind in a Ca²⁺-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. CAPZA3 may play a role in the morphogenesis of spermatid. 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.</p> <p>Alias Symbols: CAPPA3, Gsg3</p> <p>Protein Interaction Partner: UBC, CAPZA2, ACTG1,</p> <p>Protein Size: 299</p>
Molecular Weight:	33 kDa
Gene ID:	93661
NCBI Accession:	NM_033328 , NP_201585
UniProt:	Q96KX2
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 299 AA
Restrictions:	For Research Use only

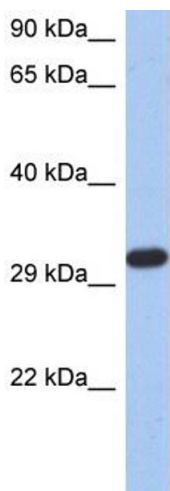
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

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