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Datasheet for 600-401-FM0

TOPAZ1 Antibody

Overview

Description:	Anti-TOPAZ1 (RABBIT) Antibody - 600-401-FM0
Item No.:	600-401-FM0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The testis and ovary specific PAZ domain containing 1 (TOPAZ1) protein is a highly conserved protein that is highly expressed in the gonads during germ cell meiosis, suggesting that it may play a role in germ cell development (1). It contains a PAZ domain and a zinc finger domain and is exclusively expressed in adult testis and fetal ovary.
Synonyms:	TOPAZ1 Antibody, C3orf77, C3orf77, Testis- and ovary-specific PAZ domain-containing protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TOPAZ1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TOPAZ1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the C-terminus of human TOPAZ1.
Purity/Specificity:	Anti-TOPAZ1 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. TOPAZ1 antibody is human, mouse and rat reactive. At least three isoforms of TOPAZ1 are known to exist.
Relevant Links:	• UniProtKB - Q8N9V7

- GeneID - 375337
- NCBI - NP_001138502.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-TOPAZ1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 60 and 240 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

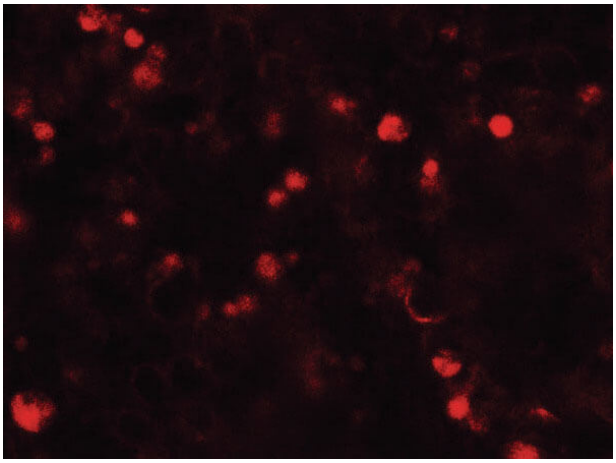
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

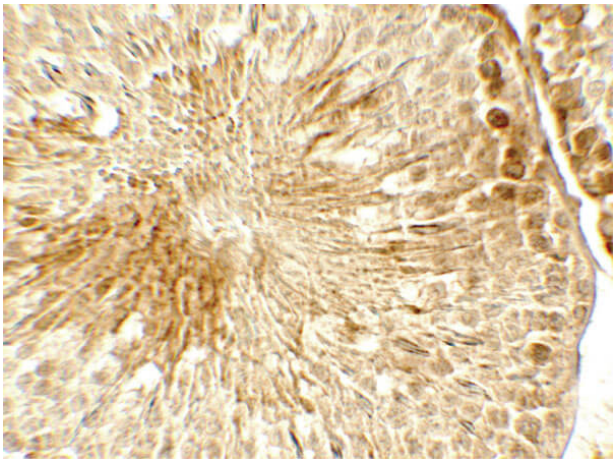
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

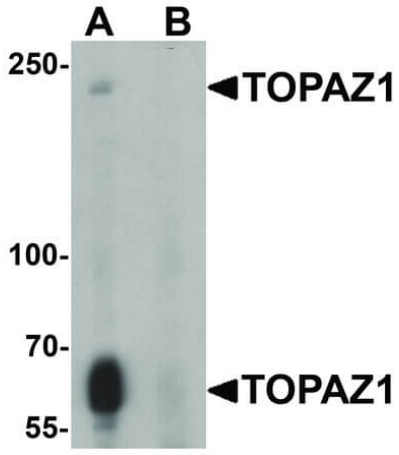
Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of Rabbit anti-TOPAZ1 antibody. Tissue: rat testis. Primary antibody: TOPAZ1 antibody at 20 µg/mL. Secondary antibody: Fluorescein rabbit secondary antibody at 1:20,000. Localization: TOPAZ1 is cytoplasmic. Staining: TOPAZ1 as red fluorescent signal.



Immunohistochemistry
Immunohistochemistry of Rabbit anti-TOPAZ1 antibody. Tissue: rat testis. Primary antibody: TOPAZ1 antibody at 5 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:5,000. Localization: TOPAZ1 is cytoplasmic. Staining: TOPAZ1 as precipitated brown signal.



Western Blot
Western Blot of Rabbit anti-TOPAZ1 antibody. Lane A: human testis tissue lysate in absence of blocking peptide. Lane B: human testis tissue lysate in presence of blocking peptide. Primary antibody: TOPAZ1 antibody at 1 µg/mL overnight at 4℃. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO.
Predicted/Observed size: 65.1 kDa, 60kDa for TOPAZ1.

Disclaimer

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