

**MZT1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57333**

**Specification**

**MZT1 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">Q08AG7</a>
Reactivity	Rat, Pig, Cat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	8 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MZT1
Epitope Specificity	31-82/82
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
SIMILARITY	Belongs to the MOZART1 family.
SUBUNIT	Part of the gamma-tubulin complex.
	Interacts with TUBG1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**MZT1 Polyclonal Antibody - Additional Information**

**Gene ID** 440145

**Other Names**

Mitotic-spindle organizing protein 1, Mitotic-spindle organizing protein associated with a ring of gamma-tubulin 1, MZT1, C13orf37, MOZART1

**Dilution**

<span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## MZT1 Polyclonal Antibody - Protein Information

**Name** MZT1

**Synonyms** C13orf37, MOZART1

### Function

Required for the recruitment and the assembly of the gamma- tubulin ring complex (gTuRC) at the centrosome (PubMed:<a href="http://www.uniprot.org/citations/20360068" target="\_blank">20360068</a>, PubMed:<a href="http://www.uniprot.org/citations/38609661" target="\_blank">38609661</a>, PubMed:<a href="http://www.uniprot.org/citations/39321809" target="\_blank">39321809</a>). The gTuRC regulates the minus-end nucleation of alpha-beta tubulin heterodimers that grow into microtubule protofilaments, a critical step in centrosome duplication and spindle formation (PubMed:<a href="http://www.uniprot.org/citations/38609661" target="\_blank">38609661</a>, PubMed:<a href="http://www.uniprot.org/citations/39321809" target="\_blank">39321809</a>).

### Cellular Location

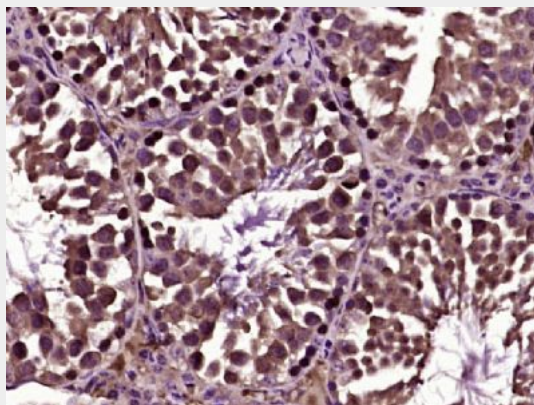
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle

## MZT1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

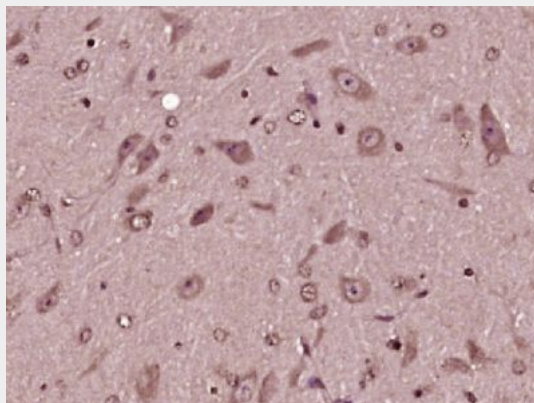
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## MZT1 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (mouse testis tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with

(MZT1) Polyclonal Antibody, Unconjugated (bs-18977R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MZT1) Polyclonal Antibody, Unconjugated (bs-18977R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.