

# MZT1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57333

## Product Information

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<b>Application</b>	IHC-P, IHC-F, IF, ICC
<b>Primary Accession</b>	<a href="#">Q08AG7</a>
<b>Reactivity</b>	Rat, Pig, Dog, Cat, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	8479
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human MZT1
<b>Epitope Specificity</b>	31-82/82
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Cytoplasm.
<b>SIMILARITY</b>	Belongs to the MOZART1 family.
<b>SUBUNIT</b>	Part of the gamma-tubulin complex. Interacts with TUBG1.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

## Additional Information

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<b>Gene ID</b>	440145
<b>Other Names</b>	Mitotic-spindle organizing protein 1, Mitotic-spindle organizing protein associated with a ring of gamma-tubulin 1, MZT1, C13orf37, MOZART1
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	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.

## Protein Information

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<b>Name</b>	MZT1
<b>Synonyms</b>	C13orf37, MOZART1
<b>Function</b>	Required for the recruitment and the assembly of the gamma- tubulin ring

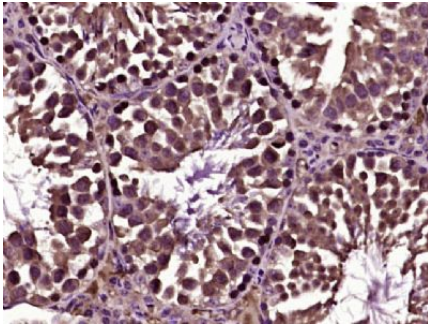
complex (gTuRC) at the centrosome (PubMed:[20360068](#), PubMed:[38609661](#), PubMed:[39321809](#)). The gTuRC regulates the minus-end nucleation of alpha-beta tubulin heterodimers that grow into microtubule protofilaments, a critical step in centrosome duplication and spindle formation (PubMed:[38609661](#), PubMed:[39321809](#)).

#### Cellular Location

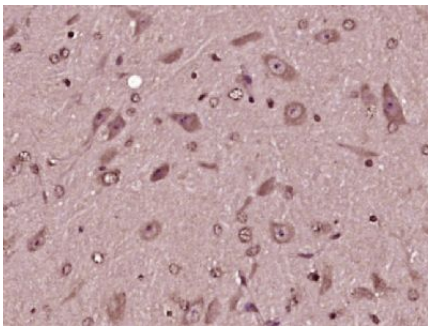
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome.  
Cytoplasm, cytoskeleton, spindle

## Images

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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 (AP57333) 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 (AP57333) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.