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MZT1 Rabbit pAb

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Catalog # AP57333

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q08AG7
Reactivity	Mouse
Predicted	Rat, Pig, Cat, Human, Rabbit, Zebrafish, Chicken, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	8479
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MZT1
Epitope Specificity	31-82/82
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

Protein Information

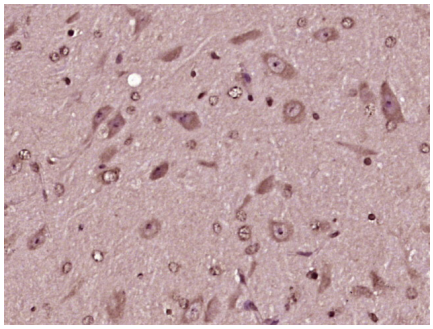
Name	MZT1
Synonyms	C13orf37, MOZART1
Function	Required for the recruitment and the assembly of the gamma- tubulin ring complex (gTuRC) at the centrosome (PubMed:20360068, PubMed:38609661, PubMed:39321809). The gTuRC regulates the minus-end nucleation of alpha-beta tubulin heterodimers that grow into microtubule protafilaments, a

	critical step in centrosome duplication and spindle formation (PubMed:38609661, PubMed:39321809).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle

Background

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Images



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) instructionsand DAB staining.

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