



Rabbit Anti-PATZ1 antibody

SL5920R

Product Name:	PATZ1
Chinese Name:	transcriptional regulatory factorMAZR抗体
Alias:	BTB POZ domain zinc finger transcription factor; Mazr; PATZ; POZ (BTB) and AT hook containing zinc finger 1; POZ , AT hook, and zinc finger containing protein 1; Protein kinase A RI subunit alpha associated protein; RIAZ; Transcription factor MAZR; ZBTB19; Zfp278; Zinc finger and BTB domain containing protein 19; Zinc finger protein 278; Zinc finger protein 278, isoform CRA_d; Zinc finger sarcoma gene protein; ZNF278; ZSG.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	74kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PATZ1:351-450/687
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	PATZ1 contains an A-T hook DNA binding motif which usually binds to other DNA binding structures to play an important role in chromatin modeling and transcription

regulation. Its Poz domain is thought to function as a site for protein-protein interaction and is required for transcriptional repression, and the zinc fingers comprise the DNA binding domain. Since the encoded protein has typical features of a transcription factor, it is postulated to be a repressor of gene expression. In small round cell sarcoma, this gene is fused to EWS by a small inversion of 22q, then the hybrid is thought to be translocated (t(1;22)(p36.1;q12).The protein encoded by this gene contains an A-T hook DNA binding motif which usually binds to other DNA binding structures to play an important role in chromatin modeling and transcription regulation. Its Poz domain is thought to function as a site for protein-protein interaction and is required for transcriptional repression, and the zinc fingers comprise the DNA binding domain. Since the encoded protein has typical features of a transcription factor, it is postulated to be a repressor of gene expression. In small round cell sarcoma, this gene is fused to EWS by a small inversion of 22q, then the hybrid is thought to be translocated (t(1;22)(p36.1;q12). The rearrangement of chromosome 22 involves intron 8 of EWS and exon 1 of this gene creating a chimeric sequence containing the transactivation domain of EWS fused to zinc finger domain of this protein. This is a distinct example of an intra chromosomal rearrangement of chromosome 22. Four alternatively spliced transcript variants are described for this gene.

Subcellular Location:

Nucleus.

Tissue Specificity:

Ubiquitous.

Similarity:

Belongs to the krueppel C2H2-type zinc-finger protein family.

Contains 1 A.T hook DNA-binding domain.

Contains 1 BTB (POZ) domain.

Contains 7 C2H2-type zinc fingers.

SWISS:

Q9HBE1

Gene ID:

23598

Database links:

[Entrez Gene: 23598](#)Human

[Entrez Gene: 56218](#)Mouse

[Omim: 605165](#)Human

[SwissProt: Q9HBE1](#)Human

[Unigene: 731398](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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