

Datasheet for ABIN2458359

anti-PATZ1 antibody**1** Image[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	PATZ1 (ZNF278)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PATZ1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human PATZ1.
Purification:	Antibody is purified by peptide affinity chromatography method.

Target Details

Target:	PATZ1 (ZNF278)
Alternative Name:	PATZ1 (ZNF278 Products)
Background:	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

Target Details

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.

Molecular Weight:	74 kDa
Gene ID:	23598
NCBI Accession:	NP_055138
UniProt:	Q9HBE1

Application Details

Application Notes:	PATZ1 antibody can be used for detection of PATZ1 by ELISA at 1:1562500. PATZ1 antibody can be used for detection of PATZ1 by western blot at 1 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL.
Concentration:	1 mg/mL
Buffer:	Antibody is lyophilized in PBS buffer with 2 % sucrose.
Handling Advice:	As with any antibody avoid repeat freeze-thaw cycles.
Storage:	4 °C/-20 °C

Handling

Storage Comment: For short periods of storage (days) store at 4 °C. For longer periods of storage, store PATZ1 antibody at -20 °C.

Images



Western Blotting

Image 1.