

DNAxPAb

Hard-to-Find
Antibody

PATZ1 DNAxPab

Catalog # H00023598-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PATZ1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MERVNDASCGPSGCYTYQVSRHSTEMLHNLNQQRKNGGRFCDVLLRVGDESFPAAHRAVLAACS EYFESVFSAQLGDGGAADGGPADVGGATAAPGGGAGGSRELEMHTISSKVFGDILDFAYTSRIV RLESFPELMTAAKFLLMRSVIEICQEVKQSNVQILVPPARADIMLFRPPGTSDLGFPLDMTNGAAL AANSNGIAGSMQPEEEAARAAGAAIAGQASLPVLPGVDR LPMVAGPLSPQLLTSPFPSVASSAP PLTGKRGRGRPRKANLLDSMFGSPGGLREAGILPCGLCGKVFTDANRLRQHEAQHGVTSLQLGY DLPPPRLGENGLPISEDPDGPRKRSRTRKQVACEICGKIFRDVYHLNRHKLSHSGEKPYPSCPVCG LRFKRKDRMSYHVRSHDGSVGKPYCQSCGKFSRPDHLNGHIKQVHTSERPHKCQVWVGSSS GLPPLEPLPSDLPSWDFAPALWRSSHSVPDTAFSLSLKKSFPALLENLGAHSSNTLFCPAPPG YLRQGWTTPEGSRAFTQWPVG
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — PATZ1

Entrez GeneID [23598](#)

GeneBank Accession# [NM_032051.1](#)

Protein Accession# [NP_114440.1](#)

Gene Name PATZ1

Gene Alias MAZR, PATZ, RIAZ, ZBTB19, ZNF278, ZSG, dJ400N23

Gene Description POZ (BTB) and AT hook containing zinc finger 1

Omim ID [605165](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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 2 2q, 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. [provided by RefSeq]

Other Designations

BTB-POZ domain zinc finger transcription factor|MAZ-related factor|POZ-AT hook-zinc finger protein|zinc finger protein 278

Disease

- [Azoospermia](#)
- [Genetic Predisposition to Disease](#)