ARG44455
anti-PATZ1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PATZ1
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PATZ1
Species	Human
Immunogen	Human PATZ1 recombinant protein
Conjugation	Un-conjugated
Alternate Names	PATZ1; POZ/BTB And AT Hook Containing Zinc Finger 1; ZBTB19; RIAZ; PATZ; ZSG; Zinc Finger Protein 278; DJ400N23; ZNF278; MAZR; POZ-, AT Hook-, And Zinc Finger-Containing Protein 1; Protein Kinase A RI Subunit Alpha-Associated Protein; Zinc Finger And BTB Domain-Containing Protein 19

Application Instructions

Application table

Application	Dilution
FACS	1-3 µg/1x10^6
ICC/IF	5 µg/ml
WB	0.25-0.5 µg/ml

Application Note: The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

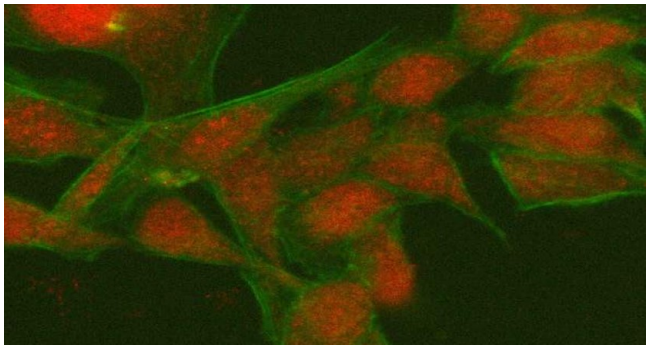
Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

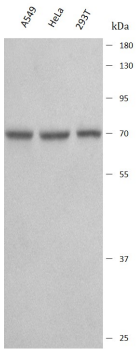
Gene Symbol	PATZ1
Gene Full Name	POZ/BTB And AT Hook Containing Zinc Finger 1
Background	The protein encoded by this gene contains an A-T hook DNA binding motif which usually binds to other DNA binding structures to play an important role in chromatin modeling and transcription regulation. Its Poz domain 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.
Function	Transcriptional regulator that plays a role in many biological processes such as embryogenesis, senescence, T-cell development or neurogenesis.
Calculated Mw	74 kDa
PTM	Isopeptide bond, Phosphoprotein, Ubl conjugation
Cellular Localization	Nucleus

Images



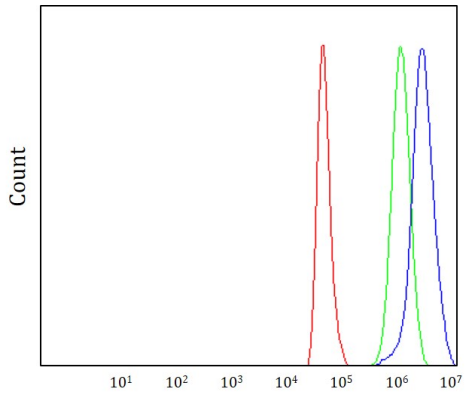
ARG44455 anti-PATZ1 antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG44455 anti-PATZ1 antibody at 5 µg/mL dilution.



ARG44455 anti-PATZ1 antibody WB image

Western blot: A549, HeLa and 293T stained with ARG44455 anti-PATZ1 antibody at 0.5 µg/mL dilution.



ARG44455 anti-PATZ1 antibody FACS image

Flow Cytometry: HeLa stained with ARG44455 anti-PATZ1 antibody at 1 µg/10^6 cells dilution.