

DAZAP2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55457

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q15038
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17319

Additional Information

Gene ID	9802
Other Names	DAZ-associated protein 2, Deleted in azoospermia-associated protein 2, DAZAP2, KIAA0058
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	DAZAP2 (HGNC:2684)
Function	In unstressed cells, promotes SIAH1-mediated polyubiquitination and degradation of the serine/threonine-protein kinase HIPK2, probably by acting as a loading factor that potentiates complex formation between HIPK2 and ubiquitin ligase SIAH1 (PubMed: 33591310). In response to DNA damage, localizes to the nucleus following phosphorylation by HIPK2 and modulates the expression of a subset of TP53/p53 target genes by binding to TP53 at target gene promoters (PubMed: 33591310). This limits the expression of a number of cell death-mediating TP53 target genes, reducing DNA damage-induced cell death (PubMed: 33591310). Enhances the binding of transcription factor TCF7L2/TCF4, a Wnt signaling pathway effector, to the promoters of target genes (By similarity). Plays a role in stress granule formation (PubMed: 17984221).
Cellular Location	Cytoplasm. Nucleus. Nucleus speckle. Nucleus, nuclear body. Cytoplasm, Stress granule Note=Predominantly nuclear in macrophages, stimulation of IL17RB with its ligand IL17E induces accumulation in the cytoplasm (PubMed:22070932). Predominantly cytoplasmic when unphosphorylated and

localizes to the nucleus following phosphorylation by HIPK2 (PubMed:33591310). Localizes to stress granules under cellular stress conditions (PubMed:17984221).

Tissue Location

Widely expressed. Expressed in spleen, thymus, prostate, testis, ovary, small intestine, colon and leukocytes. Down- regulated in multiple myeloma.

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