

# **DAZAP2 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55457

## **Specification**

### **DAZAP2 Polyclonal Antibody - Product Information**

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

IHC-P, IHC-F, IF, ICC
O15038
Rat, Pig, Dog, Bovine
Rabbit
Polyclonal
17319

# **DAZAP2 Polyclonal Antibody - Additional Information**

**Gene ID 9802** 

#### **Other Names**

DAZ-associated protein 2, Deleted in azoospermia-associated protein 2, DAZAP2, KIAA0058

## **Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

#### 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.

# **DAZAP2 Polyclonal Antibody - Protein Information**

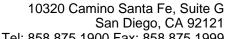
Name DAZAP2 (HGNC:2684)

#### **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:<a href="http://www.uniprot.org/citations/33591310" target="\_blank">33591310</a>). 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:<a href="http://www.uniprot.org/citations/33591310" target="\_blank">33591310</a>). This limits the expression of a number of cell death-mediating TP53 target genes, reducing DNA damage-induced cell death (PubMed:<a href="http://www.uniprot.org/citations/33591310" target="\_blank">33591310</a>). 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:<a href="http://www.uniprot.org/citations/17984221" target="blank">17984221</a>).

#### **Cellular Location**

Cytoplasm. Nucleus. Nucleus speckle. Nucleus, nuclear body. Cytoplasm, Stress granule





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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.

# **DAZAP2 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

**DAZAP2 Polyclonal Antibody - Images**