

DUSP22 / JSP 1 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS10920**Specification**

DUSP22 / JSP 1 Antibody (Internal) - Product Information

Application	IHC-P
Primary Accession	Q9NRW4
Reactivity	Human, Rabbit, Monkey, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21kDa KDa
Dilution	IHC-P~~N/A

DUSP22 / JSP 1 Antibody (Internal) - Additional Information**Gene ID** 56940**Other Names**

Dual specificity protein phosphatase 22, 3.1.3.16, 3.1.3.48, JNK-stimulatory phosphatase-1, JSP-1, Low molecular weight dual specificity phosphatase 2, LMW-DSP2, Mitogen-activated protein kinase phosphatase x, MAP kinase phosphatase x, MKP-x, DUSP22, JSP1, LMWDSP2, MKPX

Target/Specificity

Human DUSP22. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

DUSP22 / JSP 1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

DUSP22 / JSP 1 Antibody (Internal) - Protein Information**Name** DUSP22**Synonyms** JSP1, LMWDSP2, MKPX**Function**

Dual specificity phosphatase; can dephosphorylate both phosphotyrosine and phosphoserine or phosphothreonine residues (PubMed:24714587, PubMed:38225265). Activates the JNK signaling pathway (PubMed:11717427). Inhibits T-cell receptor signaling and T-cell mediated immune responses, acting, at least in part, by inducing degradation of E3 ubiquitin ligase UBR2 (PubMed:11717427).

href="http://www.uniprot.org/citations/24714587" target="_blank">24714587, PubMed:38225265). Dephosphorylates and thereby induces 'Lys-48'-linked ubiquitination of UBR2, leading to proteasomal degradation of UBR2 (PubMed:38225265). Dephosphorylates and thereby inactivates tyrosine kinase LCK (PubMed:24714587). Inhibits UBR2-mediated 'Lys-63'-linked ubiquitination of LCK (PubMed:38225265). May play a role in B-cell receptor (BCR) signaling and B-cell function (By similarity).

Cellular Location

Cytoplasm.

Tissue Location

Ubiquitous. Highest expression seen in heart, placenta, lung, liver, kidney and pancreas

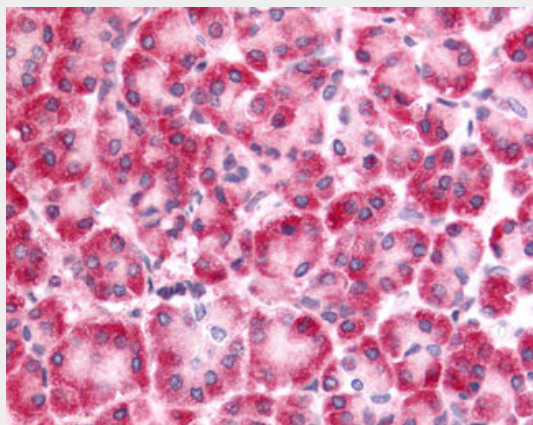
Volume

50 µl

DUSP22 / JSP 1 Antibody (Internal) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DUSP22 / JSP 1 Antibody (Internal) - Images

Anti-DUSP22 antibody ALS10920 IHC of human acinar epithelial cells.

DUSP22 / JSP 1 Antibody (Internal) - Background

Activates the Jnk signaling pathway. Dephosphorylates and deactivates p38 and stress-activated protein kinase/c-Jun N- terminal kinase (SAPK/JNK) (By similarity).

DUSP22 / JSP 1 Antibody (Internal) - References

Shen Y.,et al.Proc. Natl. Acad. Sci. U.S.A. 98:13613-13618(2001).
Gu J.,et al.Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.
Mao Y.,et al.Submitted (MAR-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mungall A.J.,et al.Nature 425:805-811(2003).