

DUSP22 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50831**Specification**

DUSP22 Antibody - Product Information

Application	WB
Primary Accession	Q9NRW4
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21,23 KDa
Antigen Region	125-153

DUSP22 Antibody - Additional Information**Gene ID** 56940**Other Names**

Dual specificity protein phosphatase 22, 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

Dilution

WB~~ 1:1000

Format

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

DUSP22 Antibody - 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:24714587, PubMed:24714587).

href="http://www.uniprot.org/citations/38225265" target="_blank">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

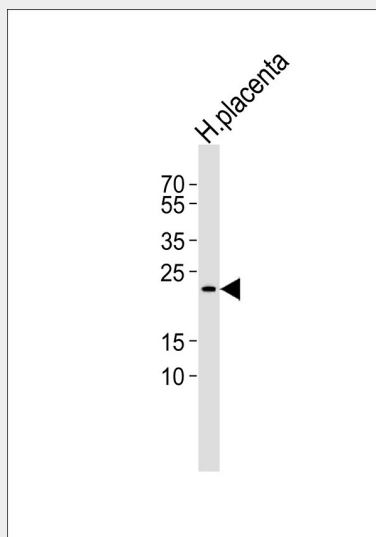
Ubiquitous. Highest expression seen in heart, placenta, lung, liver, kidney and pancreas

DUSP22 Antibody - 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 Antibody - Images



Western blot analysis of lysate from human placenta tissue lysate, using DUSP22 Antibody, was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

DUSP22 Antibody - 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 Antibody - 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).