



Anti-DUSP5 (aa 286-384) polyclonal antibody (DPAB-DC794)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates ERK1, is expressed in a variety of tissues with the highest levels in pancreas and brain, and is localized in the nucleus.
Immunogen	DUSP5 (NP_004410, 286 a.a. ~ 384 a.a) partial recombinant protein with GST tag. The sequence is LKEAFDYIKQRRSMVSPNFGFMGQLLQYESEILPSTPNPQPPSCQGEAAGSSLIHLQTL SPDMQGAYCTFPASVLAPVPTHSTVSELSRSPVATATSC
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	DUSP5 dual specificity phosphatase 5 [Homo sapiens (human)]
Official Symbol	DUSP5
Synonyms	DUSP5; dual specificity phosphatase 5; DUSP; HVH3; dual specificity protein phosphatase 5; VH1-like phosphatase 3; dual specificity protein phosphatase hVH3; serine/threonine specific protein phosphatase;
Entrez Gene ID	1847
Protein Refseq	NP_004410
UniProt ID	Q16690
Chromosome Location	10q25
Pathway	ATF-2 transcription factor network; MAPK signaling pathway.
Function	MAP kinase tyrosine/serine/threonine phosphatase activity; protein binding; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity