



## 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

<b>Antigen Description</b>	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.
<b>Immunogen</b>	DUSP5 (NP_004410, 286 a.a. ~ 384 a.a) partial recombinant protein with GST tag. The sequence is  LKEAFDYIKQRRSMVSPNFGFMGQLLQYESEILPSTPNPQPPSCQGEAAGSSLIGHLQTL SPDMQGAYCTFPASVLAPVPTHSTVSELSRSPVATATSC
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">DUSP5 dual specificity phosphatase 5 [ Homo sapiens (human) ]</a>
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	<a href="#">1847</a>
Protein Refseq	<a href="#">NP_004410</a>
UniProt ID	<a href="#">Q16690</a>
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