

DNAxPAb

Hard-to-Find
Antibody

DUSP4 DNAxPab

Catalog # H00001846-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DUSP4 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MVTMEELREMDCSVLKRLMNRDENGSGAGGSGSHGTLGLPSGGKCLLLDCRPFLAHSAGYILG SVNVRCNTVRRRAKGSVSLEQILPAEEEVRRARLRSGLYSAVIVYDERSPRAESLREDSTVSLVVQ ALRRNAERTDICLLKGGYERFSSEYPEFCSTKALAAIPPPVPPSATEPLDLGCSSCGTPLHDQG GPVEILPFLYLGSAYHAARRDMLDALGITALLNVSSDCPNHFEGHYQYKCIPVEDNHKADISSWFM EAIEYDAVKDCRGRVLVHCQAGISRSATICLAYLMMKKRVRLEEAFEFVKQRRSIIISPNSFMGQL LQFESQVLATSCAAEAASPSGPLRERGKTPATPTSQFVSFPVSVGVHSAPSSLPYLHSPITTSP SC
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — DUSP4

Entrez GeneID [1846](#)

GeneBank Accession# [NM_001394.5](#)

Protein Accession# [NP_001385.1](#)

Gene Name DUSP4

Gene Alias HVH2, MKP-2, MKP2, TYP

Gene Description dual specificity phosphatase 4

Omim ID [602747](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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, ERK2 and JNK, is expressed in a variety of tissues, and is localized in the nucleus. Two alternatively spliced transcript variants, encoding distinct isoforms, have been observed for this gene. In addition, multiple polyadenylation sites have been reported. [provided by RefSeq]

Other Designations MAP kinase phosphatase 2[VH1 homologous phosphatase 2]serine/threonine specific protein phosphatase

Pathway

- [MAPK signaling pathway](#)