

DNAxPAb

Hard-to-Find
Antibody

DUSP12 DNAxPab

Catalog # H00011266-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DUSP12 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MLEAPGPSDGCELSNPSASRVSCAGQMLEVQPGLYFGGAAVAEPDHLREAGITAVLTVDSEE PSFKAGPGVEDLWRLFVPALDKPETDLLSHLDRCVAFIGQARAEGRAVLVHCHAGVSRSVIITA FLMKTDQLPFKAYEKLQILKPEAKMNEGFQWQLKLYQAMGYEVDTSAYKQYRLQKVTEKYPE LQNL PQELFAVDPTTVSQGLKDEVLYKCRKCRRSLFRSSSILDHREGSGPIAFAHKRMTTPSSMLT TGRQAQCTSYFIEPVQWMESALLGVMDGQLLCPKCSAKLGSFNWYGEQCSCGRWITPAFQIHKN RVDEM KILPVLGSQTGKI
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 — DUSP12

Entrez GeneID [11266](#)

GeneBank Accession# [NM_007240.1](#)

Protein Accession# [NP_009171.1](#)

Gene Name DUSP12

Gene Alias DUSP1, YVH1

Gene Description dual specificity phosphatase 12

Omim ID [604835](#)

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 is 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 is the human ortholog of the *Saccharomyces cerevisiae* YVH1 protein tyrosine phosphatase. It is localized predominantly in the nucleus, and is novel in that it contains, and is regulated by a zinc finger domain. [provided by RefSeq]

Other Designations OTTHUMP00000032494|YVH1 protein-tyrosine phosphatase ortholog|serine/threonine specific protein phosphatase

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)