

DNAxPAb

Hard-to-Find  
Antibody

# DUSP6 DNAxPab

Catalog # H00001848-W01P      Size 200 ug

## Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DUSP6 DNA using DNAx™ Immune technology.
Technology	<a href="#">DNAx™ Immune</a>
Immunogen	Full-length human DNA
Sequence	MIDTLRPVPFASEMAISKTVAWLNEQLELGNERLLLMDCRPQELYESSHIESAINVAIPGIMLRRLQ KGNLPVRALFTRGEDRDRFTRRCGTDTVLYDESSSDWNENTGGESVLGLLLKKLKDEGCRAFY LEGGFSKFQAEFSLHCETNLDGSCSSSSPPLPVLGLGGLRISSDSSSDIESDLDRDPNSATDSD GSPLSNSQPSFPVEILPFLYLCAKDDSTNLDVLEEFGIKYLNVTPNLPNLFENAGEFKYKQIPISDH WSQNLSQFFPEAISFIDEARGKNCGVLVHCLAGISRSVTVTVAYLMQKLNLSMNDAYDIVKMKKSN ISPNFNFMGQLLDFERTLGLSSPCDNRVPAQQLYFTTPSNQNVYQVDSLQST
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 — DUSP6

Entrez GeneID [1848](#)

GeneBank Accession# [NM\\_001946.2](#)

Protein Accession# [NP\\_001937.2](#)

Gene Name DUSP6

Gene Alias MKP3, PYST1

Gene Description dual specificity phosphatase 6

Omim ID [602748](#)

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 ERK2, is expressed in a variety of tissues with the highest levels in heart and pancreas, and unlike most other members of this family, is localized in the cytoplasm. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations** MAP kinase phosphatase 3|serine/threonine specific protein phosphatase

## Pathway

- [MAPK signaling pathway](#)

## Disease

- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)

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