

DNAxPAb

Hard-to-Find
Antibody

DUSP1 DNAxPab

Catalog # H00001843-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DUSP1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MVMEVGTL DAGGLRALLGERAAQCLLLDCRSFFAFNAGHIAGSVNVRFSTIVRRRAKGAMGLEHI VPNAELRGRLLAGAYHAVVLLDERSAALDGAKRDGTLALAAGALCREARAAQVFFLKGGYEAFS ASCPELCSKQSTPMGLSLPLSTSPVDSAESGCSSCSTPLYDQGGPVEILPFLYLGSAYHASRKD MLDALGITALINVSANCPNHFEGHYQYSIPVEDNHKADISSWFNEAIDFDSIKNAGGRV FVHCQA GISRSATICLAYLMRTNRVKLDEAFEFVKQRRSIISP NFSFMGQLLQFESQVLAPHCSAEAGSPAM AVLDRGTSTTTVFNFVPSIPVHSTNSALSYLQSPITTSPSC
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 — DUSP1

Entrez GeneID [1843](#)

GeneBank Accession# [NM_004417.2](#)

Protein Accession# [NP_004408.1](#)

Gene Name DUSP1

Gene Alias CL100, HVH1, MKP-1, MKP1, PTPN10

Gene Description dual specificity phosphatase 1

Omim ID [600714](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The expression of DUSP1 gene is induced in human skin fibroblasts by oxidative/heat stress and growth factors. It specifies a protein with structural features similar to members of the non-receptor-type protein-tyrosine phosphatase family, and which has significant amino-acid sequence similarity to a Tyr/Ser-protein phosphatase encoded by the late gene H1 of vaccinia virus. The bacterially expressed and purified DUSP1 protein has intrinsic phosphatase activity, and specifically inactivates mitogen-activated protein (MAP) kinase in vitro by the concomitant dephosphorylation of both its phosphothreonine and phosphotyrosine residues. Furthermore, it suppresses the activation of MAP kinase by oncogenic ras in extracts of Xenopus oocytes. Thus, DUSP1 may play an important role in the human cellular response to environmental stress as well as in the negative regulation of cellular proliferation. [provided by RefSeq]

Other Designations serine/threonine specific protein phosphatase

Pathway

- [MAPK signaling pathway](#)

Disease

- [Arthritis](#)
- [Asthma](#)
- [Cardiovascular Diseases](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Multiple Sclerosis](#)