

DNAxPAb

Hard-to-Find
Antibody

DUSP3 DNAxPAb

Catalog # H00001845-W01P

Size 200 ug

Specification

| | |
|-------------------------|---|
| Product Description | Rabbit polyclonal antibody raised against a full-length human DUSP3 DNA using DNAx™ Immune technology. |
| Technology | DNAx™ Immune |
| Immunogen | Full-length human DNA |
| Sequence | MSGSFELSVQDLNDLLSDGSGCYSLPSQPCNEVTPRIYVGNASVAQDIPKLQKLGITHVLNAAEG RSFMHVNTNANFYKD SGITYLG IKANDTQEFNLSAYFERAADFIDQALAQKNGRVLVHCREGYSRS PTLVIAYLMMRQKMDVKSALSMVRQNREIGPN DGFLAQLCQLNDR LAKEGKLKP |
| 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 — DUSP3

Entrez GeneID [1845](#)

GeneBank Accession# [NM_004090.2](#)

Protein Accession# [NP_004081.1](#)

Gene Name DUSP3

Gene Alias VHR

Gene Description dual specificity phosphatase 3

Omim ID [600183](#)

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 maps in a region that contains the BRCA1 locus which confers susceptibility to breast and ovarian cancer. Although DUSP3 is expressed in both breast and ovarian tissues, mutation screening in breast cancer pedigrees and in sporadic tumors was negative, leading to the conclusion that this gene is not BRCA1. [provided by RefSeq]

Other Designations serine/threonine specific protein phosphatase|vaccinia virus phosphatase VH1-related

Pathway

- [MAPK signaling pathway](#)