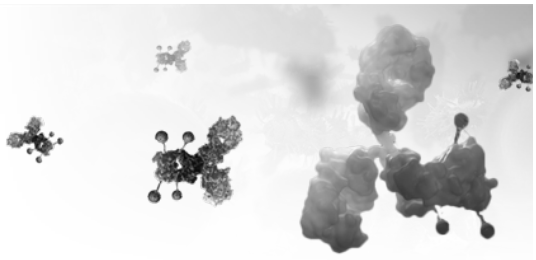

# Mouse anti-Human DUSP3 monoclonal antibody, clone 6C8 (CABT-B10144)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Immunogen** | DUSP3 (AAH02682, 1 a.a. ~ 186 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Isotype** | IgG2a |
| **Source/Host** | Mouse |
| **Species Reactivity** | Human |
| **Clone** | 6C8 |
| **Conjugate** | Unconjugated |
| **Applications** | WB,IF,sELISA,ELISA |
| **Sequence Similarities** | MSGSFELSVQDLNDLLSDGSGCYSLPSQPCNEVTPRIYVGNASVAQDIPKLQKLGITHVL NAAEGRSFMHVNTNANFYKDSGITYLGIKANDTQEFNLSAYFERAADFIDQALAQKNGRV LVHCREGYSRSPTLVIAYLMMRQKMDVKSALSIVRQNREIGPNDGFLAQLCQLNDRLAKE GKLKP* |
| **Format** | Liquid |
| **Size** | 50 µg |
| **Buffer** | In 1x PBS, pH 7.2 |
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## BACKGROUND

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| | |
|---|---|
| **Introduction** | 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, Jul 2008] |
| **Keywords** | DUSP3; dual specificity phosphatase 3; VHR; dual specificity protein phosphatase 3; vaccinia H1-related phosphatase; vaccinia virus phosphatase VH1-related; dual specificity protein phosphatase VHR; serine/threonine specific protein phosphatase; |

# GENE INFORMATION

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|---|---|
| **Entrez Gene ID** | 1845 |
| **UniProt ID** | P51452 |
| **Pathway** | Activated TLR4 signalling, organism-specific biosystem; ERK/MAPK targets, organism-specific biosystem; ERKs are inactivated, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immunity Signaling, organism-specific biosystem; MAP kinase activation in TLR cascade, organism-specific biosystem |
| **Function** | MAP kinase phosphatase activity; hydrolase activity; phosphatase activity; protein tyrosine phosphatase activity; protein tyrosine phosphatase activity; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity |

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