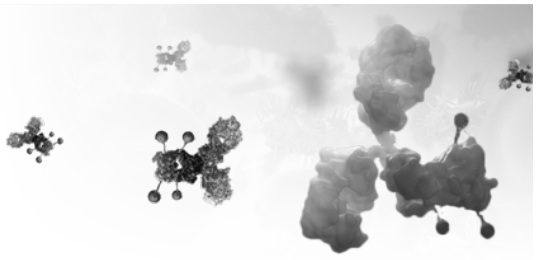

# Mouse anti-Human DUSP12 monoclonal antibody, clone BG39C3 (CABT-B10141)

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

## PRODUCT INFORMATION

| | |
|---|---|
| **Immunogen** | Recombinant protein corresponding to human DUSP12. |
| **Source/Host** | Mouse |
| **Species Reactivity** | Human |
| **Clone** | BG39C3 |
| **Conjugate** | Unconjugated |
| **Applications** | WB,ELISA |
| **Format** | Liquid |
| **Size** | 100 µl |
| **Buffer** | In HEPES, 150 mM NaCl (50% glycerol, 0.01% BSA, 0.03% sodium azide) |
| **Storage** | Store at -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles. |

## 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 is associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, |

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|---|---|
| | 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, Jul 2008] |
| **Keywords** | DUSP12; dual specificity phosphatase 12; YVH1; DUSP1; dual specificity protein phosphatase 12; YVH1 protein-tyrosine phosphatase ortholog; dual specificity tyrosine phosphatase YVH1; serine/threonine specific protein phosphatase; |

# GENE INFORMATION

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|---|---|
| **Entrez Gene ID** | 11266 |
| **UniProt ID** | Q9UNI6 |
| **Function** | hydrolase activity; kinase binding; metal ion binding; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity; zinc ion binding |

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