

Datasheet for ABIN716327

**anti-Dual Specificity Phosphatase 3 (DUSP3) (AA 41-140)  
antibody (Cy7)**



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## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | Dual Specificity Phosphatase 3 (DUSP3)                                                                                         |
| Binding Specificity: | AA 41-140                                                                                                                      |
| Reactivity:          | Mouse                                                                                                                          |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | Cy7                                                                                                                            |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human DUSP3 |
| Isotype:              | IgG                                                       |
| Cross-Reactivity:     | Mouse                                                     |
| Predicted Reactivity: | Human,Rat,Cow,Sheep,Pig,Horse,Rabbit                      |
| Purification:         | Purified by Protein A.                                    |

## Target Details

|                   |                                        |
|-------------------|----------------------------------------|
| Target:           | Dual Specificity Phosphatase 3 (DUSP3) |
| Alternative Name: | DUSP3                                  |

## Target Details

**Background:** Synonyms: Dual specificity phosphatase 3, Dual specificity protein phosphatase 3, Dual specificity protein phosphatase VHR, DUS3\_HUMAN, DUSP3, Serine/threonine specific protein phosphatase, Vaccinia H1-related phosphatase, Vaccinia virus phosphatase VH1 related, VHR. Background: 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.

**Gene ID:** 1845

**Pathways:** [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#)

## Application Details

**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 µg/µL

**Buffer:** Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

**Preservative:** ProClin

**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

## Handling

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handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months