

[Go to Product page](#)

Datasheet for ABIN1696644

**anti-DUSP5 antibody (AA 221-320) (Alexa Fluor 555)**

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | DUSP5  |
| Binding Specificity: | AA 221-320   |
| Reactivity:          | Human, Mouse   |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This DUSP5 antibody is conjugated to Alexa Fluor 555   |
| 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 DUSP5 |
| Isotype:              | IgG   |
| Cross-Reactivity:     | Human, Mouse  |
| Predicted Reactivity: | Rat   |
| Purification:         | Purified by Protein A.                                    |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | DUSP5                                    |
| Alternative Name: | DUSP5 ( <a href="#">DUSP5 Products</a> ) |

## Target Details

|             |  |
|-------------|--|
| Background: | <p>Synonyms: Dual specificity protein phosphatase 5, Dual specificity protein phosphatase hVH 3, Dual specificity protein phosphatase hVH3, DUSP 5, DUSP, HVH 3, HVH3, Serine/threonine specic protein phosphatase, VH 3, VH1 like phosphatase 3, VH3, DUS5_HUMAN.</p> <p>Background: Dual specificity phosphatases (DSPs) are a subclass of the protein tyrosine phosphatase (PTP) gene superfamily, which are selective for dephosphorylating critical phosphothreonine and phosphotyrosine residues within MAP kinases. DSP gene expression is induced by a host of growth factors and/or cellular stresses, thereby negatively regulating MAP kinase superfamily members including MAPK/ERK, SAPK/JNK and p38. The members of the dual-specificity phosphatase protein family include MKP-1/CL100 (3CH134), MKP-2, MKP-3, MKP-4, MKP-5, MKP-6, MKP-7, MKP-X, VHR, VHY, PAC1, hVH-3 (B23), hVH-5, PYST2, DUSP1, DUSP5, DUSP8, PIR1 and SKRP1. DUSP5 is a nuclear phosphoprotein that displays phosphatase activity toward several different substrates. It shows the highest relative activity toward ERK1.</p> |
|-------------|--|

|          |      |
|----------|------|
| Gene ID: | 1847 |
|----------|------|

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>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 handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months  |