

Datasheet for ABIN875715

**anti-DUSP1 antibody (pSer359) (AbBy Fluor® 350)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | DUSP1                                                                                                                          |
| Binding Specificity: | pSer359                                                                                                                        |
| Reactivity:          | Human                                                                                                                          |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This DUSP1 antibody is conjugated to AbBy Fluor® 350                                                                           |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human MKP1 around the phosphorylation site of Ser359 |
| Isotype:              | IgG                                                                                                       |
| Predicted Reactivity: | Human,Rat,Dog,Cow,Pig,Chicken,Rabbit                                                                      |
| Purification:         | Purified by Protein A.                                                                                    |

## Target Details

|                   |                                         |
|-------------------|-----------------------------------------|
| Target:           | DUSP1                                   |
| Alternative Name: | MKP1 ( <a href="#">DUSP1 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: Mitogen activated protein kinase phosphatase 1, CL 100, CL100, Dual Specificity Phosphatase 1, Dual specificity protein phosphatase 1, Dual specificity protein phosphatase hVH1, DUSP 1, EC 3.1.3.16, EC 3.1.3.48, HVH 1, HVH1, MAP kinase phosphatase 1, MKP 1, MKP1, MKP-1, Protein tyrosine phosphatase CL100, PTPN 10, PTPN10, Serine/threonine specific protein phosphatase, VH 1, VH1, 3ch134, Mkp1, Ptpn16.</p> <p>Background: The expression of DUSP1 gene is induced in human skin fibroblasts by oxidative/heat stress and growth factors. It specifies a protein with structural features similar to members of the non-receptor-type protein-tyrosine phosphatase family, and which has significant amino-acid sequence similarity to a Tyr/Ser-protein phosphatase encoded by the late gene H1 of vaccinia virus. The bacterially expressed and purified DUSP1 protein has intrinsic phosphatase activity, and specifically inactivates mitogen-activated protein (MAP) kinase in vitro by the concomitant dephosphorylation of both its phosphothreonine and phosphotyrosine residues.</p> |
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|----------|------|
| Gene ID: | 1843 |
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## 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                                                                                                          |