

Datasheet for ABIN876123

**anti-HDAC3 antibody (pSer424) (AbBy Fluor® 488)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                            |
| Target:              | HDAC3                                                                                                                             |
| Binding Specificity: | pSer424                                                                                                                           |
| Reactivity:          | Human, Mouse, Rat                                                                                                                 |
| Host:                | Rabbit                                                                                                                            |
| Clonality:           | Polyclonal                                                                                                                        |
| Conjugate:           | This HDAC3 antibody is conjugated to AbBy Fluor® 488                                                                              |
| Application:         | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)),<br>Immunofluorescence (Cultured Cells) (IF (cc)) |

## Product Details

|                   |                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic phosphopeptide derived from human HDAC3 around the phosphorylation site of Ser424 |
| Isotype:          | IgG                                                                                                        |
| Cross-Reactivity: | Human, Mouse, Rat                                                                                          |
| Purification:     | Purified by Protein A.                                                                                     |

## Target Details

|                   |                                          |
|-------------------|------------------------------------------|
| Target:           | HDAC3                                    |
| Alternative Name: | HDAC3 ( <a href="#">HDAC3 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: HDAC3 phospho S424, HDAC3 phospho Ser424, p-HDAC3 Ser424, RPD3 2, RPD3-2, HD 3, HD3, HDAC 3, Histone deacetylase 3 HD3 RPD3-2, histone deacetylase 3, RPD 3, RPD3, SMAP 45, SMAP-45, SMAP45, HDAC3_HUMAN.</p> <p>Background: Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. This gene is regarded as a potential tumor suppressor gene. [provided by RefSeq, Jul 2008].</p> |
| Gene ID:    | 8841                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Pathways:   | <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Regulation of Lipid Metabolism by PPARalpha</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Skeletal Muscle Fiber Development</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## 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.                                  |

## Handling

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Expiry Date: 12 months