

Datasheet for ABIN878003

**anti-FOXO1 antibody (pThr24, pThr32) (AbBy Fluor® 555)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                            |
| Target:              | FOXO1                                                                                                                             |
| Binding Specificity: | pThr24, pThr32                                                                                                                    |
| Reactivity:          | Human                                                                                                                             |
| Host:                | Rabbit                                                                                                                            |
| Clonality:           | Polyclonal                                                                                                                        |
| Conjugate:           | This FOXO1 antibody is conjugated to AbBy Fluor® 555                                                                              |
| 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 FOXO1 around the phosphorylation site of Thr24+Thr32 |
| Isotype:              | IgG                                                                                                             |
| Cross-Reactivity:     | Human                                                                                                           |
| Predicted Reactivity: | Mouse,Rat,Dog,Cow,Pig,Chicken,Rabbit                                                                            |
| Purification:         | Purified by Protein A.                                                                                          |

## Target Details

|         |       |
|---------|-------|
| Target: | FOXO1 |
|---------|-------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Alternative Name: | FOXO1/3/4+ ( <a href="#">FOXO1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Background:       | <p>Synonyms: FOXO4 phospho T32, p-FoxO1 Thr24/FoxO3a Thr32, FOXO3A phospho T32, p-FOXO3A phospho T32, Forkhead box protein O1, Afxh, AI876417, FKHR, Fkhr1, Foxo1a, Forkhead, FKH 1, FKH1, FKH1, FKHR, FKHR, Forkhead Drosophila homolog 1 rhabdomyosarcoma, Forkhead Drosophila homolog 1 rhabdomyosarcoma, Forkhead box O1, Forkhead box protein O1, Forkhead box protein O1A, Forkhead in rhabdomyosarcoma, Forkhead, Drosophila, homolog of, in rhabdomyosarcoma, FOXO1, FOXO1, FOXO1_HUMAN, FOXO1A, forkhead box protein O3.</p> <p>Background: This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined, however, it may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma. [provided by RefSeq].</p> |
| Gene ID:          | 2308                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Pathways:         | <a href="#">PI3K-Akt Signaling</a> , <a href="#">Cell Division Cycle</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Chromatin Binding</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">BCR Signaling</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Application Details

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|--------------------|-------------------------------------------------------------------------------------------------------------|
| 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                         |

Handling

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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
|                  | 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                                                                         |