

Datasheet for ABIN4995800

## **anti-Serotonin Receptor 4 antibody (AA 161-270) (AbBy Fluor® 750)**



[Go to Product page](#)

### Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | Serotonin Receptor 4 (HTR4)                                                                                                    |
| Binding Specificity: | AA 161-270                                                                                                                     |
| Reactivity:          | Human                                                                                                                          |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This Serotonin Receptor 4 antibody is conjugated to AbBy Fluor® 750                                                            |
| 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 5HT4 Receptor |
| Isotype:              | IgG                                                               |
| Cross-Reactivity:     | Human                                                             |
| Predicted Reactivity: | Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Chicken,Guinea Pig              |
| Purification:         | Purified by Protein A.                                            |

### Target Details

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Target:           | Serotonin Receptor 4 (HTR4)                     |
| Alternative Name: | 5HT4 Receptor ( <a href="#">HTR4 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: 5 HT 4, 5 HT4, 5 HT4R, 5 hydroxytryptamine 4 receptor, 5 hydroxytryptamine receptor 4, 5 hydroxytryptamine serotonin receptor 4, 5 hydroxytryptamine4 receptor, 5-HT-4, 5-ht4, 5-HT4R, 5H4, 5HT 4, 5HT4, 5ht4 receptor, 5HT4R, Cardiac 5 HT4 receptor, HTR 4, HTR4, serotonin 4 receptor, Serotonin 5 HT4 receptor, serotonin 5-ht-4 receptor, serotonin 5-ht-4a. Serotonin receptor 4, 5HT4R_HUMAN.</p> <p>Background: This gene is a member of the family of serotonin receptors, which are G protein coupled receptors that stimulate cAMP production in response to serotonin (5-hydroxytryptamine). The gene product is a glycosylated transmembrane protein that functions in both the peripheral and central nervous system to modulate the release of various neurotransmitters. Multiple transcript variants encoding proteins with distinct C-terminal sequences have been described. [provided by RefSeq, May 2010]</p> |
| Gene ID:    | 3360                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt:    | <a href="#">Q13639</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Pathways:   | <a href="#">JAK-STAT Signaling</a> , <a href="#">cAMP Metabolic Process</a> , <a href="#">S100 Proteins</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