

Datasheet for ABIN6981310

## **anti-STIM1 antibody (AA 601-685) (AbBy Fluor® 680)**



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### Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | STIM1                                                                                                   |
| Binding Specificity: | AA 601-685                                                                                              |
| Reactivity:          | Human, Rat                                                                                              |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This STIM1 antibody is conjugated to AbBy Fluor® 680                                                    |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human STIM1 |
| Isotype:              | IgG                                                       |
| Cross-Reactivity:     | Human, Rat                                                |
| Predicted Reactivity: | Mouse,Cow,Sheep,Horse                                     |
| Purification:         | Purified by Protein A.                                    |

### Target Details

|                   |                                          |
|-------------------|------------------------------------------|
| Target:           | STIM1                                    |
| Alternative Name: | STIM1 ( <a href="#">STIM1 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: GOK, SIM, STIM 1, STIM1, STIM-1, Stim1 stromal interaction molecule 1, STIM1_HUMAN, STIM1L, Stromal interaction molecule 1.</p> <p>Background: Plays a role in mediating store-operated Ca(2+) entry (SOCE), a Ca(2+) influx following depletion of intracellular Ca(2+) stores. Acts as Ca(2+) sensor in the endoplasmic reticulum via its EF-hand domain. Upon Ca(2+) depletion, translocates from the endoplasmic reticulum to the plasma membrane where it activates the Ca(2+) release-activated Ca(2+) (CRAC) channel subunit, TMEM142A/ORAI1.</p> |
| Gene ID:    | 6786                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| UniProt:    | <a href="#">Q13586</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Pathways:   | <a href="#">TCR Signaling</a> , <a href="#">BCR Signaling</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Application Details

|                    |                                                                             |
|--------------------|-----------------------------------------------------------------------------|
| Application Notes: | <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> |
| 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                                                                                                          |