

## STIM2 Rabbit pAb

CatalogNo: YT8125

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- IHC, WB

#### MW

- 82kD (Calculated)

#### Isotype

- IgG

### Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-200

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human C-terminal STIM2

**Specificity** This antibody detects endogenous levels of STIM2 at Human, Mouse

### Target Information

**Gene name** STIM2 KIAA1482

**Protein Name** Stromal interaction molecule 2

Organism	Gene ID	UniProt ID
Human	<a href="#">57620</a> ;	<a href="#">Q9P246</a> ;
Mouse	<a href="#">116873</a> ;	<a href="#">P83093</a> ;

**Cellular Localization** Endoplasmic reticulum membrane ; Single-pass type I membrane protein . Dynamically translocates from a uniform endoplasmic reticulum distribution to punctual endoplasmic reticulum-plasma membrane junctions in response to decrease in endoplasmic reticulum Ca(2+) concentration.

**Tissue specificity** Expressed in all tissues and tumor cell lines examined.

**Function** Plays a role in mediating store-operated Ca(2+) entry (SOCE), a Ca(2+) influx following depletion of intracellular Ca(2+) stores. Functions as a highly sensitive Ca(2+) sensor in the endoplasmic reticulum which activates both store-operated and store-independent Ca(2+)-influx. Regulates basal cytosolic and endoplasmic reticulum Ca(2+) concentrations. Upon mild variations of the endoplasmic reticulum Ca(2+) concentration, translocates from the endoplasmic reticulum to the plasma membrane where it probably activates the Ca(2+) release-activated Ca(2+) (CRAC) channels ORAI1, ORAI2 and ORAI3. May inhibit STIM1-mediated Ca(2+) influx.

## | Validation Data

## | Contact information

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**STIM2 Rabbit pAb**

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