

# STIM1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A303-414A

Lot No. A303-414A-1

Protein ID NP\_003147.2

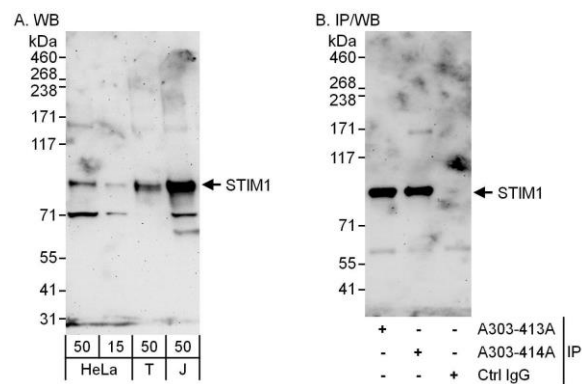
GeneID 6786



|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>APPLICATIONS</b>          | WB, IP                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>SPECIES REACTIVITY</b>    | Human                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PRESUMED REACTIVITY</b>   | Based on 100% sequence identity, this antibody is predicted to react with Mouse, Rat and Bovine                                                                                                                                                                                                                                                                                                                                |
| <b>AMOUNT</b>                | 100 µl                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>CONCENTRATION</b>         | 1000 µg/ml                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>STORAGE/SHELF LIFE</b>    | 2 – 8° C / 1 year from date of receipt                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>PHYSICAL STATE</b>        | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>BUFFER</b>                | Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide                                                                                                                                                                                                                                                                                                                                                         |
| <b>ISOTYPE</b>               | IgG                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ORIGIN</b>                | USA                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>PRODUCTION PROCEDURES</b> | <p>Antibody was affinity purified using an epitope specific to STIM1 immobilized on solid support.</p> <p>The epitope recognized by A303-414A maps to a region between residue 635 and 685 of human Stromal Interaction Molecule 1 using the numbering given in entry NP_003147.2 (GeneID 6786).</p> <p>Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p> |
| <b>APPLICATIONS</b>          | <p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <p>Western Blot 1:500 – 1:2,500</p> <p>Immunoprecipitation 2 – 10 µg/mg lysate</p>                                                                                                                                                      |
| <b>APPLICATION NOTES</b>     | <p>Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).</p> <p>Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.</p>                                                                        |
| <b>ADDITIONAL INFO</b>       | <p><a href="https://www.bethyl.com/product/A303-414A">https://www.bethyl.com/product/A303-414A</a></p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p> <p>IP-western blot protocol: <a href="https://www.bethyl.com/content/protocol_IP_WB">https://www.bethyl.com/content/protocol_IP_WB</a></p>                                                                  |

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



**Detection of human STIM1 by western blot and immunoprecipitation.** *Samples:* Whole cell lysate from HeLa (15 and 50  $\mu$ g for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50  $\mu$ g) and Jurkat (J; 50  $\mu$ g) cells. *Antibodies:* Affinity purified rabbit anti-STIM1 antibody A303-414A used for WB at 0.4  $\mu$ g/ml (A) and 1  $\mu$ g/ml (B) and used for IP at 6  $\mu$ g/mg lysate. STIM1 was also immunoprecipitated by rabbit anti-STIM1 antibody A303-413A, which recognizes an upstream epitope. *Detection:* Chemiluminescence with exposure times of 3 minutes (A and B).