

## Rabbit anti-Human, Mouse RSPO3 Polyclonal Antibody | anti-RSPO3 antibody

RSPO3 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                 |
|-----------|--------|--------------|--------------------------------------------------------------|
| AAA40633  | Rabbit | Human, Mouse | Immunofluorescence, Immunocytochemistry, Western Blot, ELISA |

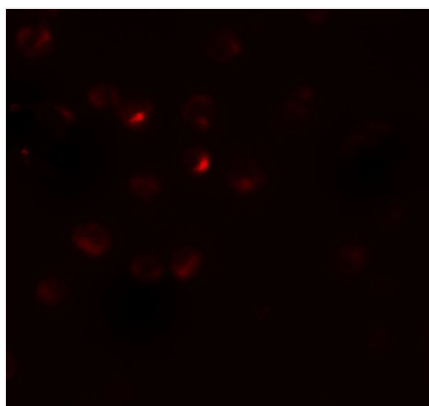
### PRODUCT SYNONYMS

RSPO3; Polyclonal Antibody; RSPO3 Antibody; R-spondin-3; CRISTIN1; PWTSR; THSD2; R-spondin 3; anti-RSPO3 antibody

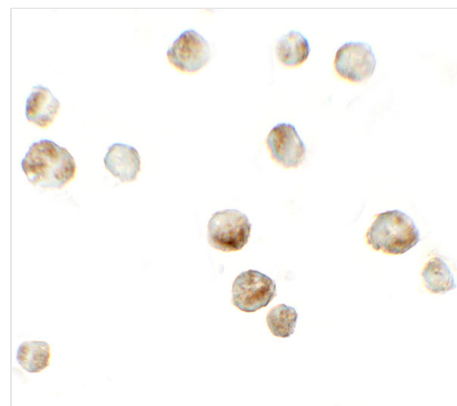
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                |
| Reactivity                                      | Human, Mouse                                                                                                                          |
| Clonality                                       | Polyclonal                                                                                                                            |
| Isotype                                         | IgG                                                                                                                                   |
| Specificity                                     | RSPO3 antibody is human and mouse reactive. At least three isoforms of RSPO3 are known to exist; this antibody will detect all three. |
| Purity/Purification                             | RSPO3 antibody is affinity chromatography purified via peptide column.                                                                |
| Form/Format                                     | Liquid                                                                                                                                |
| Concentration                                   | 1 mg/mL (varies by lot)                                                                                                               |
| Sequence Length                                 | 272                                                                                                                                   |
| Applicable Applications for anti-RSPO3 antibody | IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA                                                          |
| Conjugate                                       | Unconjugated                                                                                                                          |
| Immunogen                                       | RSPO3 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human RSPO3.                                   |
| Buffer                                          | RSPO3 antibody is supplied in PBS containing 0.02% sodium azide.                                                                      |
| Preparation and Storage                         | RSPO3 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.                              |

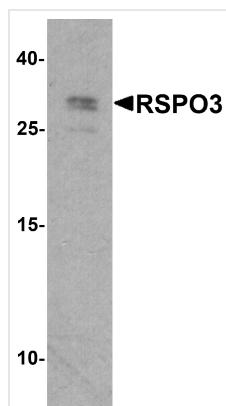
### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence of RSPO3 in 293 cells with RSPO3 antibody at 20 &amp;#956;g/mL.


**IHC (Immunohistochemistry)**

Immunocytochemistry of RSPO3 in 293 cells with RSPO3 antibody at 5 &amp;#956;g/mL.



#### WB (Western Blot)

Western blot analysis of RSPO3 in 293 cell lysate with RSPO3 antibody at 1 µg/ml.

## ADDITIONAL INFORMATION

### Related Product Information for anti-RSPO3 antibody

RSPO3 is a member of the R-spondin family and plays a role in the regulation of Wnt (wingless-type MMTV integration site family)/beta-catenin and Wnt/planar cell polarity (PCP) signaling pathways, which are involved in development, cell growth and disease pathogenesis (1,2). RSPO3 has been shown to be involved in regulating the balance between angioblast and blood cell specification during embryonic vasculogenesis and angiogenesis and may be involved in tumor development (3,4).

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 18490982                                                                                                                                                                                        |
| NCBI GeneID                      | 84870                                                                                                                                                                                           |
| NCBI Accession #                 | NP_116173                                                                                                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_032784.4                                                                                                                                                                                     |
| UniProt Accession #              | Q9BXY4; Q5VTV4; Q96K87; B2RC27                                                                                                                                                                  |
| Molecular Weight                 | Predicted: 30 kDa<br>Observed: 30 kDa                                                                                                                                                           |
| NCBI Official Full Name          | R-spondin-3                                                                                                                                                                                     |
| NCBI Official Synonym Full Names | R-spondin 3                                                                                                                                                                                     |
| NCBI Official Symbol             | RSPO3                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | PWTSR; THSD2; CRISTIN1                                                                                                                                                                          |
| NCBI Protein Information         | R-spondin-3; R-spondin 3 homolog; roof plate-specific spondin-3; protein with TSP type-1 repeat; thrombospondin, type I, domain containing 2; thrombospondin type-1 domain-containing protein 2 |
| UniProt Protein Name             | R-spondin-3                                                                                                                                                                                     |
| UniProt Gene Name                | RSPO3                                                                                                                                                                                           |
| UniProt Synonym Gene Names       | PWTSR; THSD2; hPWTSR; hRspo3                                                                                                                                                                    |
| UniProt Entry Name               | RSPO3_HUMAN                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.