

## Rabbit anti-Human, Rat RASSF4 Polyclonal Antibody | anti-RASSF4 antibody

RASSF4 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                 |
|-----------|--------|------------|--------------------------------------------------------------|
| AAA327628 | Rabbit | Human, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

RASSF4; Polyclonal Antibody; RASSF4 Antibody; 3830411C14Rik; AD037; AI586137; MGC105606; MGC44914; OTTHUMP00000019493; Ras association (RalGDS/AF 6) domain family 4; Ras association (RalGDS/AF 6) domain family member 4; Ras association domain containing protein 4; Ras association domain family 4; Ras association domain-containing protein 4; RASF4\_HUMAN; RASSF 4; Rassf4; RP11-285G1.4; Tumor suppressor RASSF4; anti-RASSF4 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                               |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                        |
| Reactivity                                       | Human, Rat                                                                                    |
| Clonality                                        | Polyclonal                                                                                    |
| Isotype                                          | IgG                                                                                           |
| Specificity                                      | RASSF4 antibody detects endogenous levels of total RASSF4                                     |
| Purity/Purification                              | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| Form/Format                                      | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                    | 1mg/ml (varies by lot)                                                                        |
| Sequence Length                                  | 321                                                                                           |
| Applicable Applications for anti-RASSF4 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                  |
| Immunogen                                        | A synthesized peptide derived from human RASSF4                                               |
| Tissue Specificity                               | Widely expressed. Frequently down-regulated in tumor cell lines.                              |
| Predicted Cross Reactivity                       | <b>Pig, Bovine, Horse, Sheep, Rabbit, Dog</b>                                                 |
| Similarity                                       | Pig (100%), Bovine (90%), Horse (80%), Sheep (100%), Rabbit (90%), Dog (100%)                 |
| Conjugation                                      | Unconjugated                                                                                  |
| Preparation and Storage                          | Store at -20 degree C. Stable for 12 months from date of receipt.                             |

### IMAGES



#### IF (Immunofluorescence)

AAA327628 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



#### WB (Western Blot)

Western blot analysis of RASSF4 using Jurkat whole cell lysates

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-RASSF4 antibody | Function: Potential tumor suppressor. May act as a KRAS effector protein. May promote apoptosis and cell cycle arrest.<br>Subunit Structure: Interacts directly with activated KRAS in a GTP-dependent manner. |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 23510360                                       |
| NCBI GeneID                      | 83937                                          |
| NCBI Accession #                 | NP_114412.2                                    |
| NCBI GenBank Nucleotide #        | NM_032023.3                                    |
| UniProt Accession #              | Q9H2L5; Q86WH5; Q86WH6; Q86WH7; Q8N5A9; Q8TCK6 |
| Molecular Weight                 | Observed: 36 kDa<br>Predicted: 37 kDa          |
| NCBI Official Full Name          | ras association domain-containing protein 4    |
| NCBI Official Synonym Full Names | Ras association domain family member 4         |
| NCBI Official Symbol             | RASSF4                                         |
| NCBI Official Synonym Symbols    | AD037                                          |
| NCBI Protein Information         | ras association domain-containing protein 4    |
| UniProt Protein Name             | Ras association domain-containing protein 4    |
| UniProt Gene Name                | RASSF4                                         |

**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.

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