

## Rabbit TRAF7 Polyclonal Antibody | anti-TRAF7 antibody

Phospho-TRAF7 (Ser61) Antibody

| CATALOG # | HOST   | REACTIVITY                                                                   | APPLICATIONS                              |
|-----------|--------|------------------------------------------------------------------------------|-------------------------------------------|
| AAA328248 | Rabbit | Human, Mouse, RatPredicted: Pig, Bovine, Horse, Sheep, Dog, Chicken, Xenopus | ELISA, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

TRAF7; Polyclonal Antibody; Phospho-TRAF7 (Ser61) Antibody; E3 ubiquitin protein ligase TRAF7; E3 ubiquitin-protein ligase TRAF7; RFWD1; Ring finger and WD repeat domain 1; RING finger and WD repeat-containing protein 1; RING finger protein 119; RNF119; TNF receptor associated factor 7; TNF receptor-associated factor 7; TRAF7\_HUMAN; anti-TRAF7 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                    |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                             |
| Reactivity                                      | Human, Mouse, Rat<br>Predicted: Pig, Bovine, Horse, Sheep, Dog, Chicken, Xenopus                                                   |
| Clonality                                       | Polyclonal                                                                                                                         |
| Isotype                                         | IgG                                                                                                                                |
| Specificity                                     | Phospho-TRAF7(Ser61) Antibody detects endogenous levels of TRAF7 only when phosphorylated at Ser61.                                |
| Purity/Purification                             | Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns. |
| Form/Format                                     | Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                        |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                             |
| Sequence Length                                 | 670                                                                                                                                |
| Applicable Applications for anti-TRAF7 antibody | ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)                                                               |
| Immunogen                                       | A synthesized peptide derived from human TRAF7 around the phosphorylation site of Ser61.                                           |
| Tissue Specificity                              | Ubiquitously expressed with high levels in skeletal muscle, heart, colon, spleen, kidney, liver and placenta.                      |
| Subcellular Location                            | Cytoplasmic Vesicle. Colocalizes with MAP3K3 to vesicle-like structures throughout the cytoplasm.                                  |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                  |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts of Human fetal stomach tissue sample, using Phospho-TRAF7(Ser61) Antibody.



#### IHC (Immunohistochemistry)

At 1/100 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                    |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TRAF7 antibody | Description: E3 ubiquitin ligase capable of auto-ubiquitination, following phosphorylation by MAP3K3. Potentiates MEKK3-mediated activation of the NF-kappa-B, JUN/AP1 and DDIT3 transcriptional regulators. Induces apoptosis when overexpressed. |
|                                                     | Post Translational Modifications: Phosphorylated by MAP3K3. Ubiquitinates itself upon phosphorylation.                                                                                                                                             |
|                                                     | Subunit Structure: Homodimer. Interacts with MAP3K3 and promotes the kinase activity of this enzyme.                                                                                                                                               |
|                                                     | Similarity: Belongs to the WD repeat TRAF7 family.                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI GI #                        | 54036486                            |
| NCBI GeneID                      | 84231                               |
| UniProt Accession #              | Q6Q0C0                              |
| Molecular Weight                 | Observed: 67kD<br>Predicted: 75 kDa |
| NCBI Official Full Name          | E3 ubiquitin-protein ligase TRAF7   |
| NCBI Official Synonym Full Names | TNF receptor associated factor 7    |
| NCBI Official Symbol             | TRAF7                               |
| NCBI Official Synonym Symbols    | RFWD1; RNF119; CAFDADD              |
| NCBI Protein Information         | E3 ubiquitin-protein ligase TRAF7   |
| UniProt Protein Name             | E3 ubiquitin-protein ligase TRAF7   |
| UniProt Gene Name                | TRAF7                               |
| UniProt Synonym Gene Names       | RFWD1; RNF119                       |
| UniProt Entry Name               | TRAF7_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.

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