

## Datasheet for ABIN3021165 anti-TRAF2 antibody (AA 1-300)



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8 Images

1 Publication

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | TRAF2   |
| Binding Specificity: | AA 1-300  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This TRAF2 antibody is un-conjugated  |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP) |

### Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human TRAF2 (NP_066961.2).   |
| Sequence:         | MAAASVTPPG SLELLQPGFS KTLLGTKLEA KYLCSACRNV LRRPFQAQCG HRYCSFCLAS<br>ILSSGPQNCA ACVHEGIYEE GISILESSA FPDNAARREV ESLPAVCPSD GCTWKGTLE<br>YESCHEGRCP LMLTECPACK GLVRLGEKER HLEHECPERS LSCRHCRAPC CGADVKAHHE<br>VCPKFPLTCD GCGKKKIPRE KFQDHVKTCG KCRVPCRFHA IGCLETVEGE KQQEHEVQWL<br>REHLAMLLSS VLEAKPLLGD QSHAGSELLQ RCESLEKKTA TFENIVCVLN REVERVAMTA |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human, Mouse, Rat   |
| Characteristics:  | Polyclonal Antibodies   |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | TRAF2   |
| Alternative Name: | TRAF2 ( <a href="#">TRAF2 Products</a> )  |
| Background:       | <p>The protein encoded by this gene is a member of the TNF receptor associated factor (TRAF) protein family. TRAF proteins associate with, and mediate the signal transduction from members of the TNF receptor superfamily. This protein directly interacts with TNF receptors, and forms a heterodimeric complex with TRAF1. This protein is required for TNF-alpha-mediated activation of MAPK8/JNK and NF-kappaB. The protein complex formed by this protein and TRAF1 interacts with the inhibitor-of-apoptosis proteins (IAPs), and functions as a mediator of the anti-apoptotic signals from TNF receptors. The interaction of this protein with TRADD, a TNF receptor associated apoptotic signal transducer, ensures the recruitment of IAPs for the direct inhibition of caspase activation. BIRC2/c-IAP1, an apoptosis inhibitor possessing ubiquitin ligase activity, can ubiquitinate and induce the degradation of this protein, and thus potentiate TNF-induced apoptosis. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of only one transcript has been determined.,MGC:45012,TRAP,TRAP3,TRAF2,Cancer,Signal Transduction,MAPK-JNK Signaling Pathway,MAPK-P38 Signaling Pathway,Cell Biology &amp; Developmental Biology,Apoptosis,Inhibition of Apoptosis,Autophagy,Growth factor,TNF,Death Receptor Signaling Pathway,Immunology &amp; Inflammation,NF-kB Signaling Pathway,Cardiovascular,TRAF2</p> |
| Molecular Weight: | 53 kDa/54 kDa/55 kDa/61 kDa   |
| Gene ID:          | 7186  |
| UniProt:          | <a href="#">Q12933</a>  |
| Pathways:         | <a href="#">NF-kappaB Signaling</a> , <a href="#">Apoptosis</a> , <a href="#">Caspase Cascade in Apoptosis</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Hepatitis C</a> , <a href="#">Unfolded Protein Response</a> , <a href="#">S100 Proteins</a>   |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | WB,1:500 - 1:2000,IHC,1:50 - 1:200,IP,1:50 - 1:100 |
| Restrictions:      | For Research Use only                              |

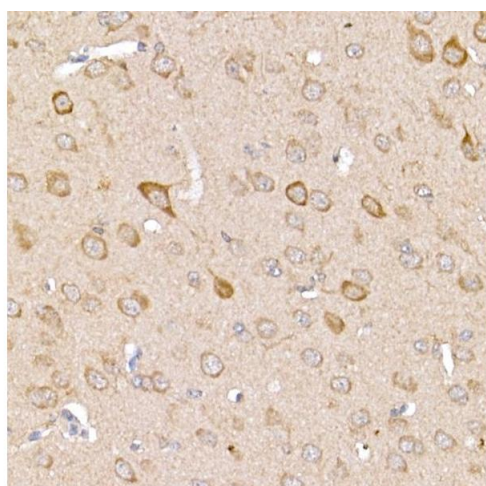
## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Buffer:            | PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.   |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | Avoid freeze / thaw cycles   |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20°C. Avoid freeze / thaw cycles.  |

## Publications

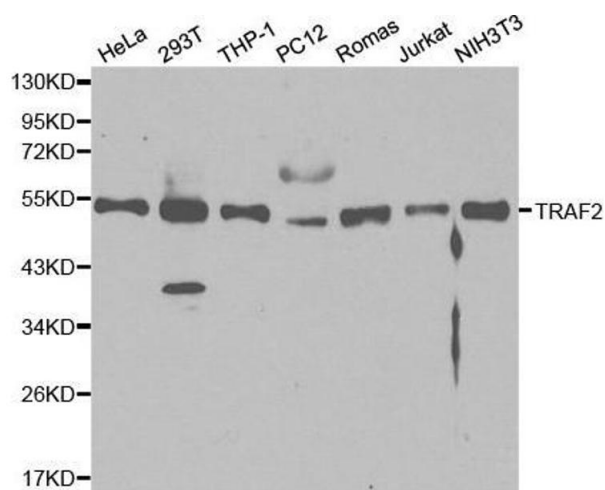
|                   |   |
|-------------------|---|
| Product cited in: | <p>Luo, Dan Wang, Luo, Zhu, Wang, Ning, Li, Ma, Yang, Jin, Huang, Meng, Li: "Caveolin 1-related autophagy initiated by aldosterone-induced oxidation promotes liver sinusoidal endothelial cells defenestration." in: <b>Redox biology</b>, Vol. 13, pp. 508-521, (2018) (<a href="#">PubMed</a>).</p> <p>Luo, Wang, Zhu, Wang, You, Ning, Li, Jin, Huang, Hu, Chen, Meng, Li: "Autophagic degradation of caveolin-1 promotes liver sinusoidal endothelial cells defenestration." in: <b>Cell death &amp; disease</b>, Vol. 9, Issue 5, pp. 576, (2018) (<a href="#">PubMed</a>).</p> |
|-------------------|---|

## Images



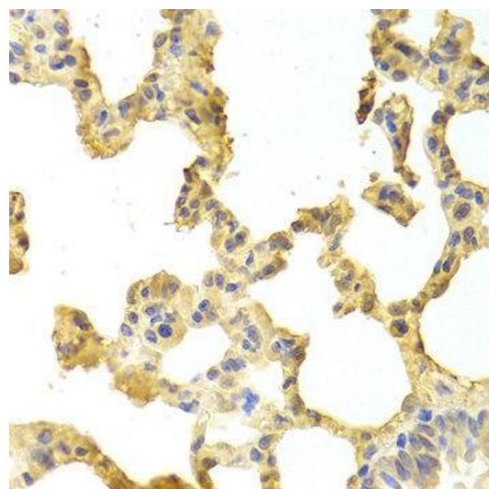
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded mouse brain using [KO Validated] TR Rabbit pAb (ABIN3021164, ABIN3021165, ABIN3021166 and ABIN1513640) at dilution of 1:250 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using TRAF2 antibody.



### Immunohistochemistry

**Image 3.**

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN3021165.