10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-TRAF6 Rabbit Monoclonal Antibody

Catalog # ABO13596

## Product Information

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| **Application** | WB, IHC, FC |
| **Primary Accession** | Q9Y4K3 |
| **Host** | Rabbit |
| **Isotype** | Rabbit IgG |
| **Reactivity** | Rat, Human, Mouse |
| **Clonality** | Monoclonal |
| **Format** | Liquid |
| **Description** | Anti-TRAF6 Rabbit Monoclonal Antibody . Tested in WB, IHC, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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| **Gene ID** | 7189 |
| **Other Names** | TNF receptor-associated factor 6, 2.3.2.27, E3 ubiquitin-protein ligase TRAF6, Interleukin-1 signal transducer, RING finger protein 85, RING-type E3 ubiquitin transferase TRAF6, TRAF6, RNF85 |
| **Calculated MW** | 59573 |
| **Application Details** | WB 1:500-1:2000<br>IHC 1:50-1:200<br>FC 1:50-1:200 |
| **Subcellular Localization** | Cytoplasm. Cytoplasm, cell cortex. Nucleus. Lipid droplet. Found in the nuclei of some aggressive B-cell lymphoma cell lines as well as in the nuclei of both resting and activated T- and B-lymphocytes. Found in punctate nuclear body protein complexes. Ubiquitination may occur in the cytoplasm and sumoylation in the nucleus. RSAD2/viperin recruits it to the lipid droplet (By similarity).. |
| **Tissue Specificity** | Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. |
| **Source** | Eukaryota |
| **Contents** | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA. |
| **Clone Names** | Clone: BOF-20 |
| **Immunogen** | A synthesized peptide derived from human TRAF6 |
| **Purification** | Affinity-chromatography |

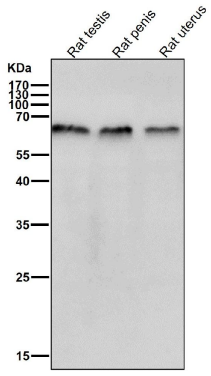
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| **Storage** | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## Protein Information

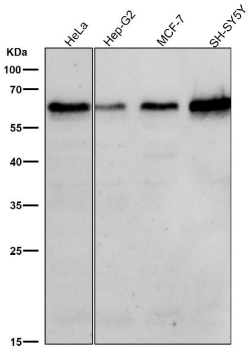
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|---|---|
| **Name** | TRAF6 |
| **Synonyms** | RNF85 |
| **Function** | E3 ubiquitin ligase that, together with UBE2N and UBE2V1, mediates the synthesis of 'Lys-63'-linked-polyubiquitin chains conjugated to proteins, such as ECSIT, IKBKG, IRAK1, AKT1 and AKT2 (PubMed:11057907, PubMed:18347055, PubMed:19465916, PubMed:19713527, PubMed:27746020, PubMed:31620128). Also mediates ubiquitination of free/unanchored polyubiquitin chain that leads to MAP3K7 activation (PubMed:19675569). Leads to the activation of NF-kappa-B and JUN (PubMed:16378096, PubMed:17135271, PubMed:17703191, PubMed:39920527, PubMed:40973797, PubMed:41747053). Seems to also play a role in dendritic cells (DCs) maturation and/or activation (By similarity). Represses c-Myb-mediated transactivation, in B-lymphocytes (PubMed:18093978, PubMed:18758450). Adapter protein that seems to play a role in signal transduction initiated via TNF receptor, IL-1 receptor and IL-17 receptor (PubMed:12140561, PubMed:19825828, PubMed:8837778). Regulates osteoclast differentiation by mediating the activation of adapter protein complex 1 (AP-1) and NF-kappa-B, in response to RANK-L stimulation (By similarity). Together with MAP3K8, mediates CD40 signals that activate ERK in B-cells and macrophages, and thus may play a role in the regulation of immunoglobulin production (By similarity). Acts as a regulator of the JNK and NF-kappa-B signaling pathways by initiating assembly of heterotypic 'Lys-63'-/'Lys-48'-linked branched ubiquitin chains that are then recognized by TAB2: TRAF6 catalyzes initial 'Lys-63'-linked-polyubiquitin chains that are then branched via 'Lys-48'-linked polyubiquitin by HUWE1 (PubMed:27746020). 'Lys- 63'-/'Lys-48'-linked branched ubiquitin chains protect 'Lys-63'- linkages from CYLD deubiquitination (PubMed:27746020). Participates also in the TCR signaling by ubiquitinating LAT (PubMed:23514740, PubMed:25907557). |
| **Cellular Location** | Cytoplasm. Cytoplasm, cell cortex. Nucleus. Lipid droplet {ECO:0000250\|UniProtKB:P70196}. Note=Found in the nuclei of some aggressive B-cell lymphoma cell lines as well as in the nuclei of both resting and activated T- and B-lymphocytes. Found in punctate nuclear body protein complexes. Ubiquitination may occur in the cytoplasm and sumoylation in the nucleus. RSAD2/viperin recruits it to the lipid droplet (By similarity). |
| **Tissue Location** | Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas |

## Images

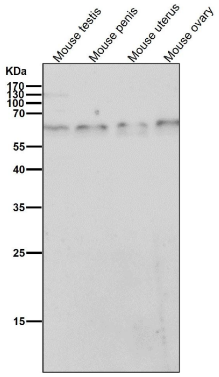
All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



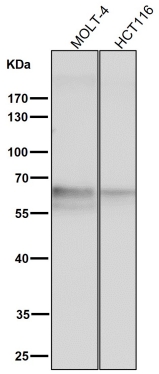

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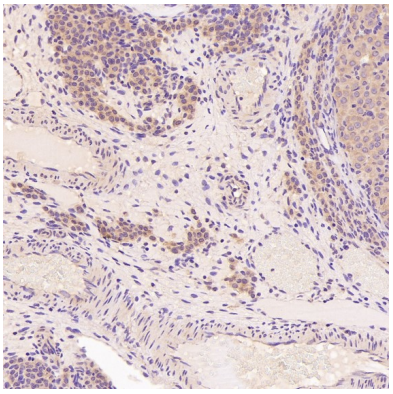

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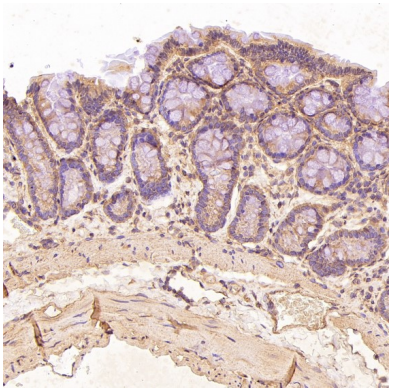



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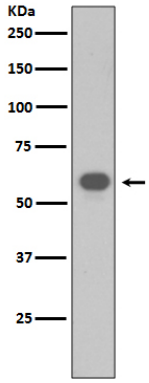



Immunohistochemical analysis of paraffin-embedded Rat ovary, using the Antibody at 1:50 dilution.

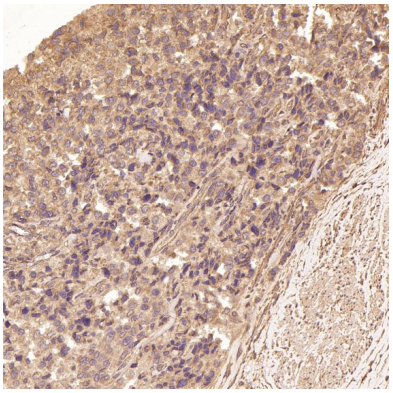




Immunohistochemical analysis of paraffin-embedded Rat stomach, using the Antibody at 1:50 dilution.

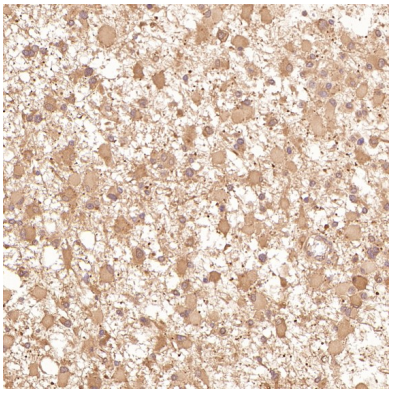


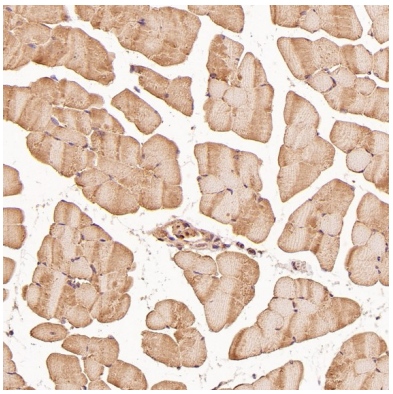

Western blot analysis of TRAF6 expression in NIH/3T3 cell lysate.



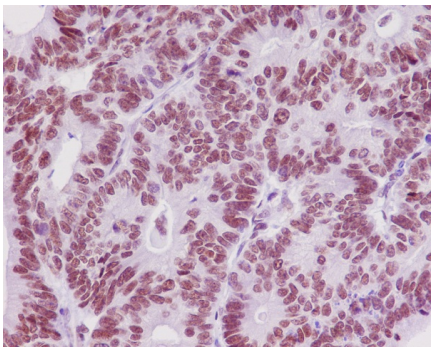
Immunohistochemical analysis of paraffin-embedded Human prostate cancer, using the Antibody at 1:50 dilution.

Immunohistochemical analysis of paraffin-embedded Human astrocytoma, using the Antibody at 1:50 dilution.





Immunohistochemical analysis of paraffin-embedded Mouse skeletal muscle - gastrocnemius , using the Antibody at 1:50 dilution.



Immunohistochemical analysis of paraffin-embedded human colon carcinoma, using TRAF6 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.