

Datasheet for ABIN3021194 anti-TRAF6 antibody (AA 263-522)



[Go to Product page](#)

2 Images

1 Publication

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | TRAF6 |
| Binding Specificity: | AA 263-522 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TRAF6 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF) |

Product Details

| | |
|-------------------|--|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 263-522 of human TRAF6 (NP_004611.1). |
| Sequence: | QENTQSHMRM LAQAVHSLSV IPDSGYISEV RNFQETIHQL EGRLVRQDHQ IRELTAKMET QSMYVSELKR TIRTLEDKVA EIEAQQCNGI YIWKIGNFGM HLKCEEEKP VVIHSPGFYT GKPGYKLCMR LHLQLPTAQR CANYISLFVH TMQGEYDSDL PWPFGQTIRL TILDQSEAPV RQNHEEIMDA KPELLAFQRP TIPRNPKGFG YVTFMHLEAL RQRTFIKDDT LLVRCEVSTR FDMGSLRREG FQPRSTDAGV |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |

Target Details

| | |
|-------------------|---|
| Target: | TRAF6 |
| Alternative Name: | TRAF6 (TRAF6 Products) |
| Background: | <p>The protein encoded by this gene is a member of the TNF receptor associated factor (TRAF) protein family. TRAF proteins are associated with, and mediate signal transduction from, members of the TNF receptor superfamily. This protein mediates signaling from members of the TNF receptor superfamily as well as the Toll/IL-1 family. Signals from receptors such as CD40, TNFSF11/RANCE and IL-1 have been shown to be mediated by this protein. This protein also interacts with various protein kinases including IRAK1/IRAK, SRC and PKCzeta, which provides a link between distinct signaling pathways. This protein functions as a signal transducer in the NF-kappaB pathway that activates IkkappaB kinase (IKK) in response to proinflammatory cytokines. The interaction of this protein with UBE2N/UBC13, and UBE2V1/UEV1A, which are ubiquitin conjugating enzymes catalyzing the formation of polyubiquitin chains, has been found to be required for IKK activation by this protein. This protein also interacts with the transforming growth factor (TGF) beta receptor complex and is required for Smad-independent activation of the JNK and p38 kinases. This protein has an amino terminal RING domain which is followed by four zinc-finger motifs, a central coiled-coil region and a highly conserved carboxyl terminal domain, known as the TRAF-C domain. Two alternatively spliced transcript variants, encoding an identical protein, have been reported., TRAF6, MGC:3310, RNF85, Cancer, Invasion and Metastasis, Signal Transduction, Cell Biology & Developmental Biology, Apoptosis, Death receptors & ligands, Growth factor, TNF, Ubiquitin, Ubiquitin-Proteasome Signaling Pathway, Immunology & Inflammation, NF-kB Signaling Pathway, Toll-like Receptor Signaling Pathway, Cell Intrinsic Innate Immunity Signaling Pathway, TLR Signaling, TRAF6</p> |
| Molecular Weight: | 59 kDa |
| Gene ID: | 7189 |
| UniProt: | Q9Y4K3 |
| Pathways: | NF-kappaB Signaling , TCR Signaling , TLR Signaling , Fc-epsilon Receptor Signaling Pathway , Neurotrophin Signaling Pathway , Activation of Innate immune Response , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Tube Formation , Hepatitis C , Toll-Like Receptors Cascades , Ubiquitin Proteasome Pathway |

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

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

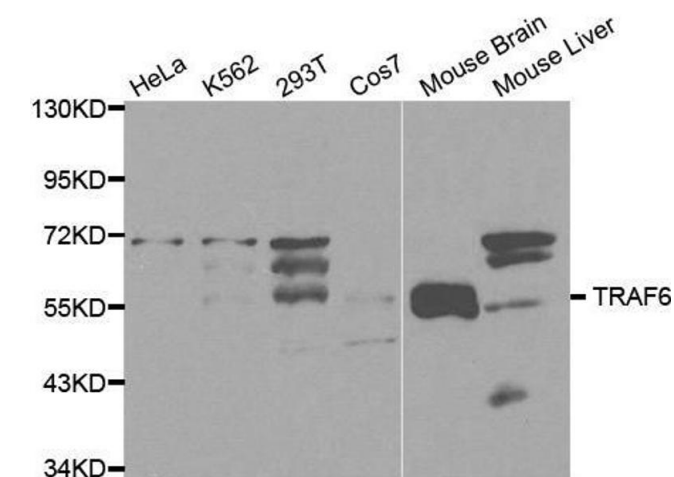
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Publications

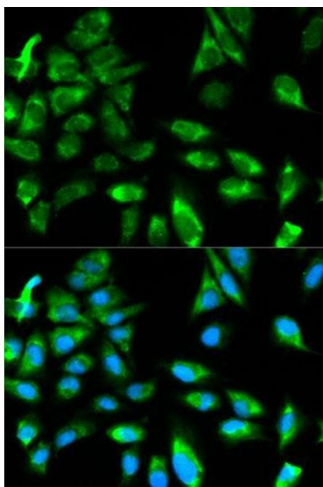
Product cited in: Cheng, Zhu, Han, Zhang, Cui, Shen, Zhang, Yan, Prochownik, Li: "MicroRNA-148a deficiency promotes hepatic lipid metabolism and hepatocarcinogenesis in mice." in: **Cell death & disease**, Vol. 8, Issue 7, pp. e2916, (2018) ([PubMed](#)).

Li, Xia, Xiong, Wang, Yan: "Effects of sepsis on the metabolism of sphingomyelin and cholesterol in mice with liver dysfunction." in: **Experimental and therapeutic medicine**, Vol. 14, Issue 6, pp. 5635-5640, (2017) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using TRAF6 antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cell using TRAF6 antibody. Blue: DAPI for nuclear staining.