TRAF6

rev. 1/11/17

Cat#: R1311-2

Product Type: Rabbit Polyclonal IgG, primary antibodies

Species reactivity: Human, Mouse, Rat, Hybrid fish (crucian-carp)

Applications: WB, ICC,

Molecular Wt.: 60 kDa

Description: TRAF proteins are associated with, and mediate signal transduction from members of the TNF receptor superfamily. This protein mediates the signaling not only from the members of the TNF receptor superfamily, but also from the members of the Toll/IL-1 family. Signals from receptors such as CD40, TNFSF11/TRANCE/RANKL 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 IkappaB kinase (IKK) in response to proinflammatory cytokines.

Immunogen: This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding toTRAF6.

Positive control:

Hela, MCF-7, F9, PC12, hybrid fish (crucian-carp) heart tissue lysate.

Subcellular location:

Cytoplasm, nucleus.

Database links:

SwissProt: Q9Y4K3(Human) P70196(Mouse) B5DF45(Rat)

Recommended Dilutions:

WB: 1:500-1:1,000 **ICC:** 1:100-1:200

Storage Buffer:

1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction:

Store at +4° C after thawing. Aliquot store at -20° C or -80° C. Avoid repeated freeze / thaw cycles.

Purity:

Peptide affinity purified.

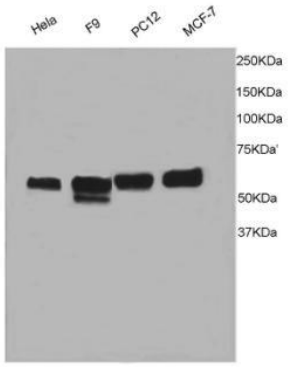

Fig1: Western blot analysis of TRAF6 on different cell lysates using anti-TRAF6 antibody at 1/1,000 dilution.

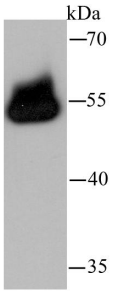

Fig2: Western blot analysis of TRAF6 on hybrid fish (crucian-carp) heart tissue lysate using anti-TRAF6 antibody at 1/500 dilution.

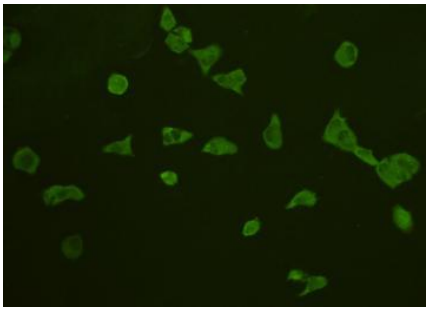

Fig3: ICC staining TRAF6 (green) in Hela cells. Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

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Applications: WB=Western blot IP=Immunoprecipitation IHC=Immunohistochemistry IF=Immunofluorescence FC=Flow cytometry
Species Cross-Reactivity: H=human M=mouse R=rat Hm=hamster Mk=monkey Mi=mink C=chicken Dm=D.melanogaster X=Xenopus Z=zebrafish B=bovine Dg=dog Pg=pig Sc=S.

Background References

1. Wang Y., et al. Association of beta-arrestin and TRAF6 negatively regulates Toll-like receptor-interleukin 1 receptor signaling. Nat Immunol 7:139-147 (2006).
2. Sorrentino A., et al. The type I TGF-beta receptor engages TRAF6 to activate TAK1 in a receptor kinase-independent manner. Nat Cell Biol 10:1199-1207 (2008).
3. Zhou L., et al. NUMBL interacts with TRAF6 and promotes the degradation of TRAF6. Biochem Biophys Res Commun 392:409-414 (2010).