



TRAF2 Polyclonal Antibody

E20-74717

Catalog Number:E20-74717

Amount:100ul

Applications:WB;IHC;IF;ELISA

Reactivity:Human;Rat;Mouse;Bovine

Target:TRAF2

Fields:>>MAPK signaling pathway;>>NF-kappa B signaling pathway;>>Sphingolipid signaling pathway;>>Protein processing in endoplasmic reticulum;>>Apoptosis;>>Necroptosis;>>Osteoclast differentiation;>>NOD-like receptor signaling pathway;>>RIG-I-like receptor signaling pathway;>>IL-17 signaling pathway;>>TNF signaling pathway;>>Adipocytokine signaling pathway

Gene Name:TRAF2

Protein Name:TNF receptor-associated factor 2

Human Gene Id:7186

Human Swiss Prot No:Q12933

Mouse Swiss Prot No:P39429

Immunogen:Synthesized peptide derived from the Internal region of human TRAF2.

Specificity:TRAF2 Polyclonal Antibody detects endogenous levels of TRAF2 protein.

Formulation:Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source:Polyclonal, Rabbit,IgG

Dilution:WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200

Purification:The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration:1 mg/ml

Storage Stability:-15°C to -25°C/1 year(Do not lower than -25°C)

Other Name:TRAF2;TRAF3;TNF receptor-associated factor 2;E3 ubiquitin-protein ligase TRAF2;Tumor necrosis factor type 2 receptor-associated protein 3

Observed Band(KD):60kD

Background:TNF receptor associated factor 2(TRAF2) Homo sapiens 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

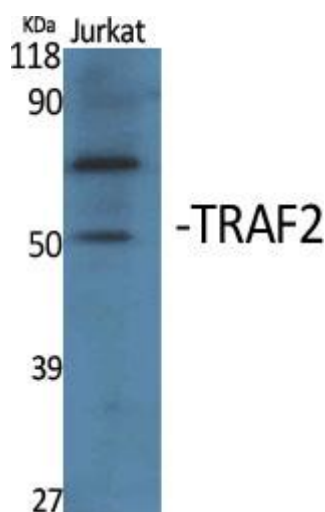
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of the anti-apoptotic signals from TNF receptors. The interaction of this protein with TRADD, a TNF receptor associated apoptotic signal transducer, ensures the recruitment of IAPs for the direct inhibition of caspase activation. BIRC2/c-IAP1, an apoptosis inhibitor possessing ubiquitin ligase activity, can ubiquitinate and induce the degradation of this pro

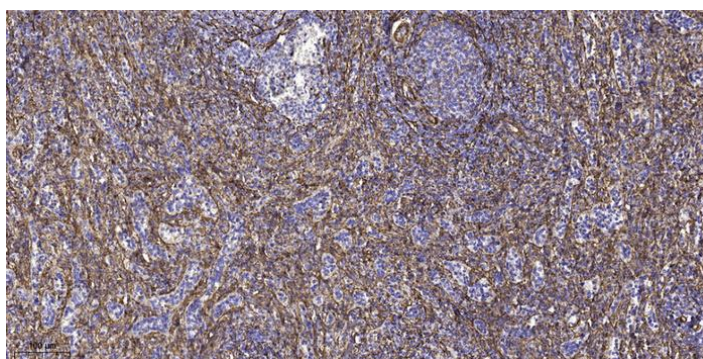
Function:domain:The coiled coil domain mediates homo- and hetero-oligomerization.,domain:The MATH/TRAF domain binds to receptor cytoplasmic domains.,function:Adapter protein and signal transducer that links members of the tumor necrosis factor receptor family to different signaling pathways by association with the receptor cytoplasmic domain and kinases. Association to the receptor is also mediated by the interaction with TRADD. Mediates activation of NF-kappa-B and JNK and is involved in apoptosis. The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2. Seems to be involved in IL-15 signaling.,PTM:Ubiquitinated; mediated by SIAH2 and leading to its subsequent proteasomal degradation. Not ubiquitinated by SIAH1.,similarity:Contains 1 MATH domain.,similarity:Contains 1 RING-type zinc finger.

Subcellular Location:Cytoplasm .

Expression:Brain,Cerebellum,Colon,Fetal brain,Human endometrium,Kidney,Leukocyte,Spleen



Western Blot analysis of various cells using TRAF2 Polyclonal Antibody. Secondary antibody was diluted at 1:20000.



Immunohistochemical analysis of paraffin-embedded human spleen tissue. 1,primary Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200.