Best Tools for immunology Research

TRAF6 Polyclonal Antibody

Catalog No :	YT4720
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	TRAF6
Fields :	>>MAPK signaling pathway;>>NF-kappa B signaling pathway;>>Ubiquitin mediated proteolysis;>>Autophagy - animal;>>Endocytosis;>>Osteoclast differentiation;>>Toll-like receptor signaling pathway;>>NOD-like receptor signaling pathway;>>RIG-I-like receptor signaling pathway;>>IL-17 signaling pathway;>>Neurotrophin signaling pathway;>>Alcoholic liver disease;>>Pathogenic Escherichia coli infection;>>Shigellosis;>>Salmonella infection;>>Pertussis;>>Yersinia infection;>>Leishmaniasis;>>Chagas disease;>>Toxoplasmosis;>>Tuberculosis;>>Hepatitis C;>>Hepatitis B;>>Measles;>>Herpes simplex virus 1 infection;>>Epstein-Barr virus infection;>>Human immunodeficiency virus 1 infection;>>Coronavirus disease - COVID-19;>>Pathways in cancer;>>Small cell lung cancer;>>PD-L1 expression and PD-1 checkpoint pathway in cancer;>>Lipid and atherosclerosis
Gene Name :	TRAF6
Protein Name :	TNF receptor-associated factor 6
Human Gene Id :	7189
Human Swiss Prot No :	Q9Y4K3
Mouse Gene Id :	22034
Mouse Swiss Prot No :	P70196
Rat Gene Id :	311245
Rat Swiss Prot No :	B5DF45
Immunogen :	The antiserum was produced against synthesized peptide derived from human TRAF6. AA range:105-154

Specificity : TRAF6 Polyclonal Antibody detects endogenous levels of TRAF6 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: 1:40000.. 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)

Observed Band : 60kD

Cell Pathway : MAPK_ERK_Growth;MAPK_G_Protein;Ubiquitin mediated proteolysis;Endocytosis;Toll_Like;NOD-like receptor;RIG-I-like receptor;Neurotrophin;Pathways in cancer;Small cell lung cancer;

Background : TNF receptor associated factor 6(TRAF6) Homo sapiens 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 IkappaB 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

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. Also involved in the IL-1 signaling pathway via MYD88 and IRAK kinases. Seems to be involved in IL-17 signaling (By similarity). Mediates activation of NF-kappa-B and JNK. May function as an E3 ubiquitin ligase.,pathway:Protein modification; protein ubiquitination.,PTM:Polyubiquitinated.,similarity:Contains 1 MATH domain.,similarity:Contains 1 RING-type zinc finger.,similarity:Contains 2 TRAF-type zinc fingers.,subunit:Homotrimer (Probable). Binds to TNFRSF5/CD40 and TNFRSF11A/RANK. Associates with NGFR, TNFRSF17, IRAK1, IRAK2, IRAK3,

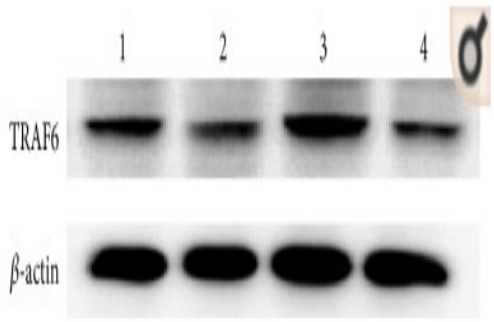
IRAK4, RIPK

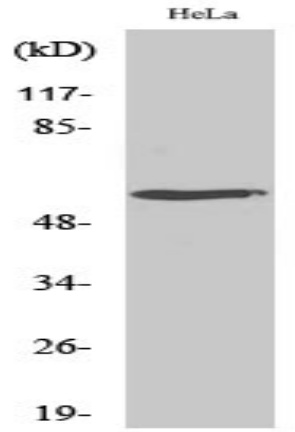
Subcellular Location : Cytoplasm . Cytoplasm, cell cortex . Nucleus . Lipid droplet . Found in the nuclei of some aggressive B-cell lymphoma cell lines as well as in the nuclei of both resting and activated T- and B-lymphocytes. Found in punctate nuclear body protein complexes. Ubiquitination may occur in the cytoplasm and sumoylation in the nucleus. RSAD2/viperin recruits it to the lipid droplet (By similarity). .

Expression : Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.

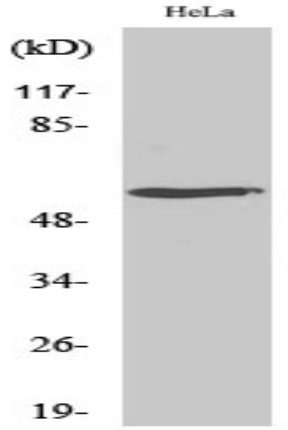
Products Images

Yan, Jinchuan, et al. "CD137 regulates NFATc1 expression in mouse VSMCs through TRAF6/NF-κB p65 signaling pathway." Mediators of inflammation 2015 (2015).

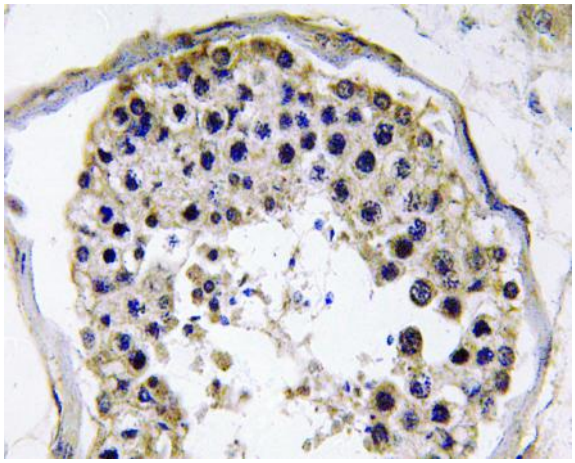




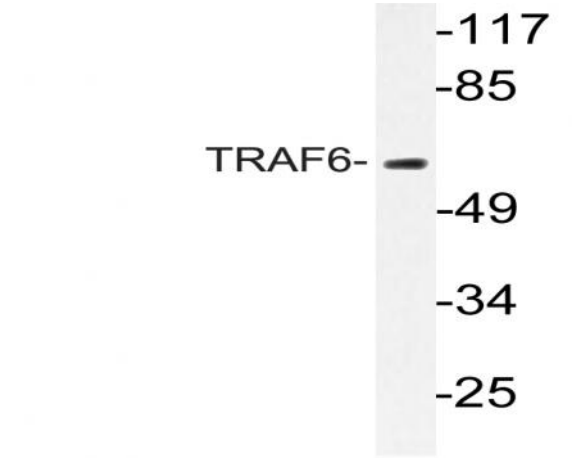
Western Blot analysis of various cells using TRAF6 Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western Blot analysis of Hela cells using TRAF6 Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemistry analysis of TRAF6 antibody in paraffin-embedded human testis tissue.



Western blot analysis of lysate from HeLa cells, using TRAF6 antibody.