
Product Name: KD-Validated TNF Receptor Associated Protein 1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00852**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 80.1kDa

Antigen Information

Gene Name	TRAP1
Alternative Names	TRAP1; TNF Receptor Associated Protein 1; HSP75; HSP90L; Tumor Necrosis Factor Type 1 Receptor-Associated Protein; Heat Shock Protein 75 KDa, Mitochondrial; TNFR-Associated Protein 1; HSP 75; TRAP-1; TNF Receptor-Associated Protein 1; Testicular Tissue Protein Li 209
Gene ID	10131.0
SwissProt ID	Q12931
Immunogen	A synthesized peptide derived from human TRAP1

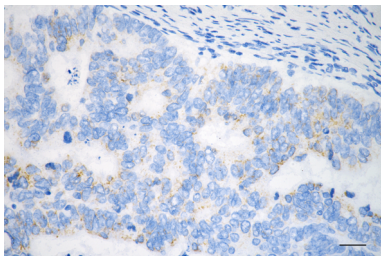
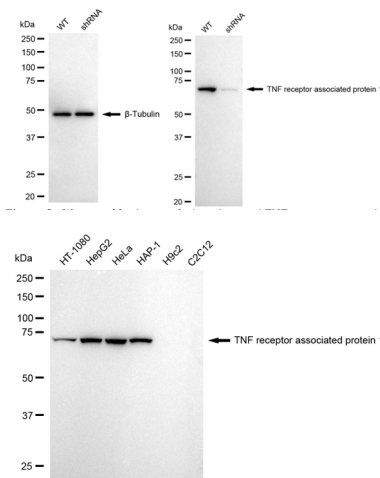
Background

This gene encodes a mitochondrial chaperone protein that is member of the heat shock protein 90 (HSP90) family. The encoded protein has ATPase activity and interacts with tumor necrosis factor type I. This protein may function in regulating cellular stress responses. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]

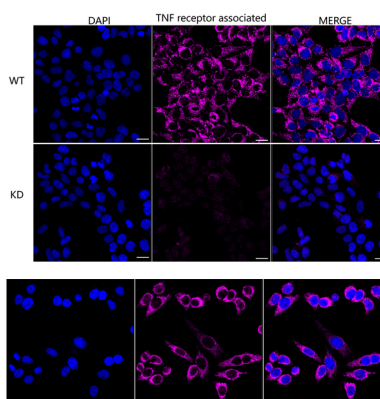
Research Area

Signal Transduction, Cell Biology, Metabolism, Cancer

Image Data

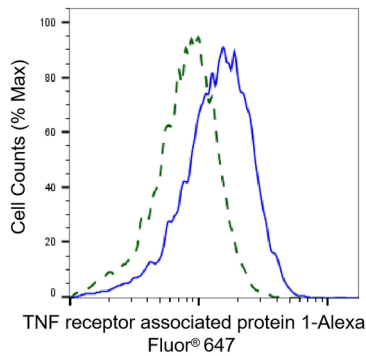


Immunohistochemistry was performed on paraffin-embedded human sigmoid colon carcinoma using TNF receptor associated protein 1 antibody (KVA00852, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.

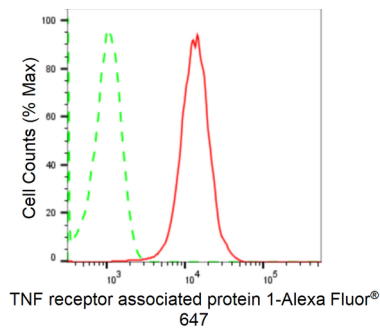


Immunocytochemical staining of HeLa cells using TNF receptor associated protein 1 antibody (KVA00852, 1:1,000), Top panel: wild-type (WT); Bottom panel: TNF receptor associated protein 1 shRNA knockdown (KD). Nuclei were stained blue with DAPI; TNF receptor associated protein 1 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.

Immunocytochemical staining of HepG2 cells with TNF receptor associated protein 1 antibody (KVA00852, 1:1,000). Nuclei were stained blue with DAPI; TNF receptor associated protein 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.



Validation of TNF receptor associated protein 1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with TNF receptor associated protein 1 antibody (KVA00852, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of TNF receptor associated protein 1 expression in HepG2 cells using TNF receptor associated protein 1 antibody (KVA00852, 1:2,000). Green, isotype control; red, TNF receptor associated protein 1.