

Product Name: KD-Validated TRK Fused Gene Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00891

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
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
Molecular Weight	Calculated MW: 43.4kDa

Antigen Information

Gene Name	TFG
Alternative Names	TFG; Trafficking From ER To Golgi Regulator; SPG57; TF6; TRK-Fused Gene Protein; Protein TFG; FLJ36137; TRK-Fused Gene; TRKT3 Oncogene; TRK-Fused;HMSNP; TRKT3
Gene ID	10342.0
SwissProt ID	Q92734
Immunogen	A synthesized peptide derived from human TRK fused gene

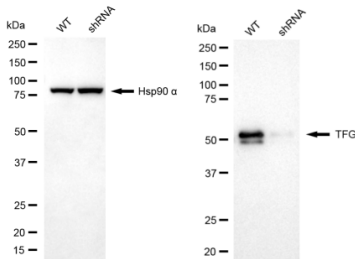
Background

There are several documented fusion oncoproteins encoded partially by this gene. This gene also participates in several oncogenic rearrangements resulting in anaplastic lymphoma and mixoid chondrosarcoma, and may play a role in the NF-kappaB pathway. Multiple transcript variants have been found for this gene. [provided by RefSeq, Sep 2010]

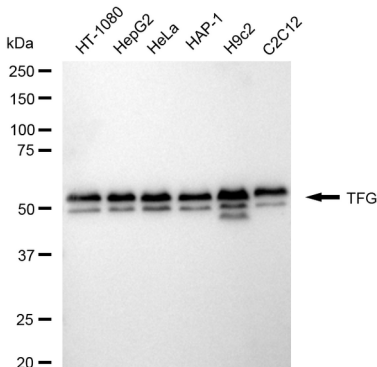
Research Area

Immunology,Signal Transduction,Epigenetics and Nuclear Signaling,Cancer

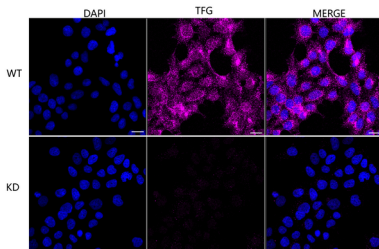
Image Data



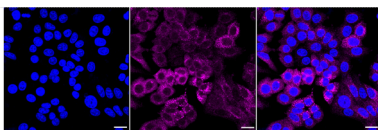
Western blotting analysis using TFG antibody (KVA00891). TFG expression in wild type (WT) and TFG shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with TFG antibody (KVA00891, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



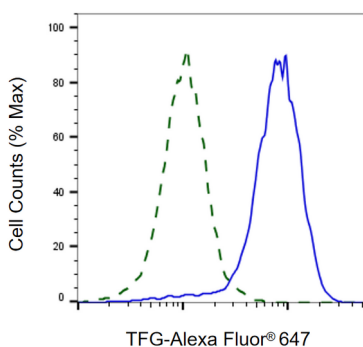
Western blotting analysis using TFG antibody (KVA00891). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with TFG antibody (KVA00891, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



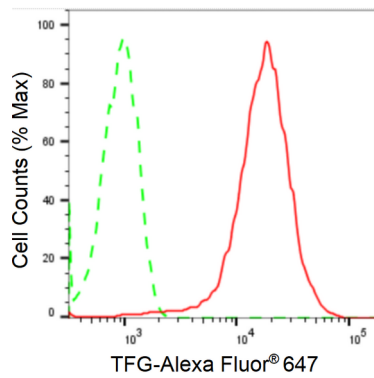
Immunocytochemical staining of HeLa cells using TFG antibody (KVA00891, 1:1,000), Top panel: wild-type (WT); Bottom panel: TFG shRNA knockdown (KD). Nuclei were stained blue with DAPI; TFG was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of HepG2 cells with TFG antibody (KVA00891, 1:1,000). Nuclei were stained blue with DAPI; TFG 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 TFG knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with TFG antibody (KVA00891, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of TFG expression in HepG2 cells using TFG antibody (KVA00891, 1:2,000). Green, isotype control; red, TFG.