TFG Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TFG, Polyclonal Antibody
Full Product Name	TFG, ID (TFG, Protein TFG, TRK-fused gene protein) (MaxLight 650)
Product Gene Name	anti-TFG antibody
Product Synonym Names	TFG; Protein TFG; TRK-fused gene protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	43,020 Da
OMIM	Y07968 mRNA
3D Structure	ModBase 3D Structure for Q92734
Immunogen	TFG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 183-212 amino acids from the Central region of human TFG.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-TFG antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-TFG antibody	Western Blot (WB), FLISA
Application Notes for anti-TFG antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-TFG antibody	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.
Product References and Citations for anti-TFG antibody	Miranda, C., et al. J. Cell. Physiol. 208(1):154-160(2006). Roccato, E., et al. J. Biol. Chem. 280(5):3382-3389(2005). Hisaoka, M., et al. Genes Chromosomes Cancer 40(4):325-328(2004). Roccato, E., et al. Br. J. Cancer 87(6):645-653(2002). Hernandez, L., et al. Am. J. Pathol. 160(4):1487-1494(2002).
Other Notes	Small volumes of anti-TFG antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for TFG purchase	MBS6355104 is an antibody targeting TFG. Also known as TFG, ID (TFG, Protein TFG, TRK-fused gene protein) (MaxLight 650). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TFG. It may not necessarily be applicable to this product.

NCBI GI #	21361320
NCBI GeneID	10342
NCBI Accession #	NP_006061.2
UniProt Primary Accession #	Q92734
UniProt Secondary Accession #	Q15656; Q969I2; D3DN49; G5E9V1
UniProt Related Accession #	Q92734
GenBank Nucleotide #	NM_006070.5
NCBI Official Full Name	protein TFG isoform 1
NCBI Official Synonym Full Names	TRK-fused gene
NCBI Official Symbol	TFG
NCBI Official Synonym Symbols	TF6; HMSNP; SPG57; TRKT3
UniProt Protein Name	Protein TFG
UniProt Synonym Protein Names	TRK-fused gene protein
Protein Family	Protein
UniProt Gene Name	TFG
NCBI Protein Information	protein TFG; TRKT3 oncogene; TRK-fused gene protein
UniProt Comments for TFG	Plays a role in the normal dynamic function of the endoplasmic reticulum (ER) and its associated microtubules (PubMed:23479643, PubMed:27813252).
Research Articles on TFG	**1.** TFG plays an important role in the protein secretory pathways that are essential for proper functioning of the human peripheral nervous system.
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