

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 11-8031: Polyclonal Antibody to TRK Fused gene

Clonality: Polyclonal Application: IHC,WB Reactivity: Human Gene: TFG Gene ID: 10342 **Uniprot ID:** Q92734 Format: Purified TFG **Alternative Name:** Rabbit IgG Isotype:

A partial length recombinant TRK Fused gene protein (amino acids 196-400) was used as the

**Immunogen Information :** A partial length recombinant immunogen for this antibody.

## **Description**

TRK Fused gene (TFG) encodes a protein that plays a role in the normal dynamic function of the endoplasmic reticulum (ER) and its associated microtubules. It is a conserved regulator of protein secretion that assembles into an oligomeric matrix at the interface between the ER and ER Golgi intermediate compartments in metazoans cells. Originally TFG was identified as a fusion partner of the NTRK1 gene in human papillary thyroid carcinoma. It is also involved in another chromosome translocation with the ALK gene in anaplastic large-cell lymphomas. It is located on the q arm of human chromosome 3 and encodes a ubiquitously expressed cytoplasmic protein. Structural analysis reveals TFG containing a coiled-coil (CC) domain and a serine, proline, tyrosine, glycine and glutamine (SPYGQ)-rich region. Interestingly, the TFG protein interacts with the NF-kappaB essential modulator and TRAF family member-associated NF-kappaB activator proteins, suggesting that it may play a key role in NF-kappaB regulation.

## **Product Info**

**Amount:** 25 μg / 100 μg

**Purification:** Protein A Chromatography

Content: 25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Western blot analysis:1-2 μg/ml, Immunohistochemical analysis: 20 μg/ml



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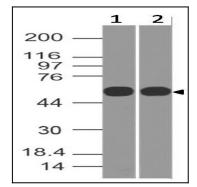


Fig-1: Western blot analysis of TRK Fused gene. Anti-TRK Fused gene antibody (11-8031) was used at 1  $\mu$ g/ml on (1) h Intestine and (2) h Kidney lysates.

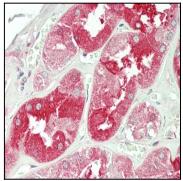


Fig-2: Immunohistochemical analysis of TRK Fused gene. Anti-TRK Fused gene antibody (11-8031) in human Kidney tissue at 20  $\mu$ g/ml.

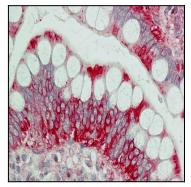


Fig-3: Immunohistochemical analysis of TRK Fused gene. Anti-TRK Fused gene antibody (11-8031) in human Small Intestine tissue at 20  $\mu$ g/ml.