

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

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	IHC,WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	TFG
<b>Gene ID :</b>	10342
<b>Uniprot ID :</b>	Q92734
<b>Format :</b>	Purified
<b>Alternative Name :</b>	TFG
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	A partial length recombinant TRK Fused gene protein (amino acids 196-400) was used as the 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

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein A Chromatography
<b>Content :</b>	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.
<b>Storage condition :</b>	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

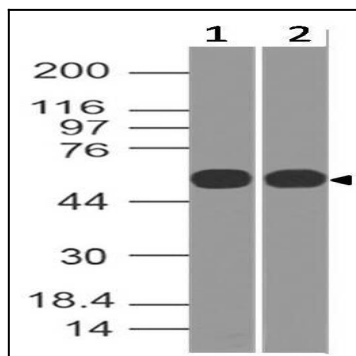


Fig-1: Western blot analysis of TRK Fused gene. Anti-TRK Fused gene antibody (11-8031) was used at 1  $\mu$ g/ml on (1) h Intestine and (2) h Kidney lysates.

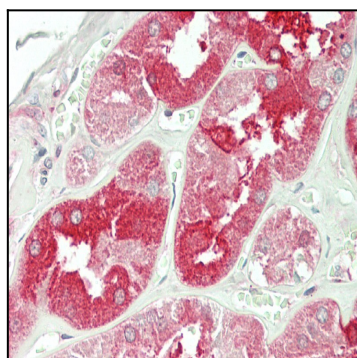


Fig-2: Immunohistochemical analysis of TRK Fused gene. Anti-TRK Fused gene antibody (11-8031) in human Kidney tissue at 20  $\mu$ g/ml.

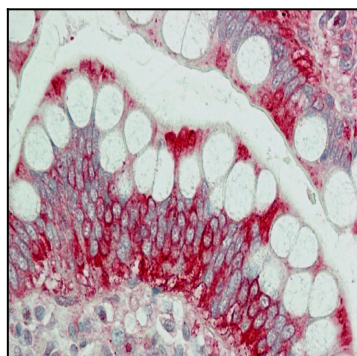


Fig-3: Immunohistochemical analysis of TRK Fused gene. Anti-TRK Fused gene antibody (11-8031) in human Small Intestine tissue at 20  $\mu$ g/ml.