

11-8031: Polyclonal Antibody to TRK Fused gene

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

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| 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

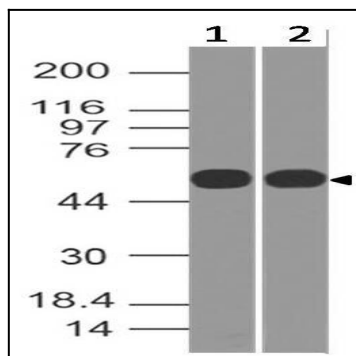


Fig-1: Western blot analysis of TRK Fused gene. Anti-TRK Fused gene antibody (11-8031) was used at 1 µg/ml on (1) h Intestine and (2) h Kidney lysates.

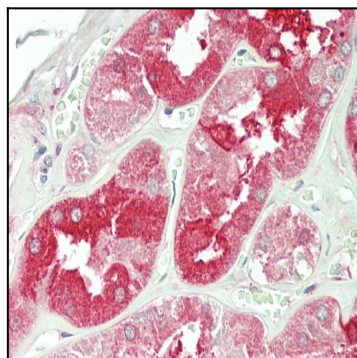


Fig-2: Immunohistochemical analysis of TRK Fused gene. Anti-TRK Fused gene antibody (11-8031) in human Kidney tissue at 20 µg/ml.

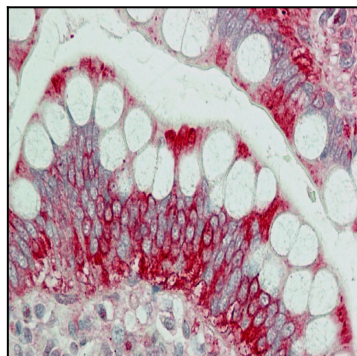


Fig-3: Immunohistochemical analysis of TRK Fused gene. Anti-TRK Fused gene antibody (11-8031) in human Small Intestine tissue at 20 µg/ml.