Product Datasheet

TRK fused gene Rabbit mAb

Catalog No: #49164

Package Size: #49164-1 50ul #49164-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

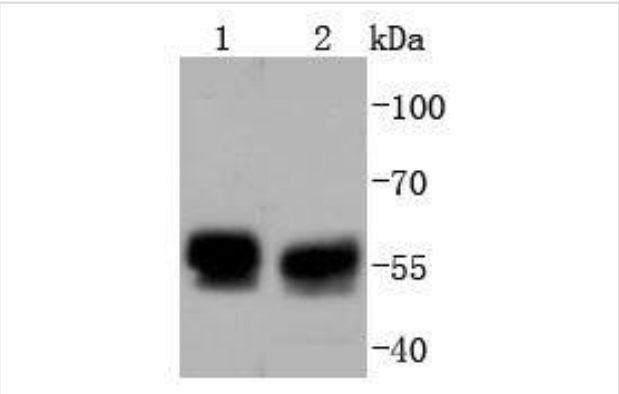
Description

Product Name	TRK fused gene Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SD082-0
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	FLJ36137 antibody HMSNP antibody OTTHUMP00000214045 antibody OTTHUMP00000214046 antibody OTTHUMP00000214047 antibody OTTHUMP00000214048 antibody Protein TFG antibody SPG57 antibody TF6 antibody TFG antibody TFG_HUMAN antibody TRK fused antibody TRK fused gene antibody TRK fused gene protein antibody TRK-fused gene protein antibody TRKT3 antibody TRKT3 oncogene antibody
Accession No.	Swiss-Prot#:Q92734
Uniprot	Q92734
GeneID	10342;
Calculated MW	55 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

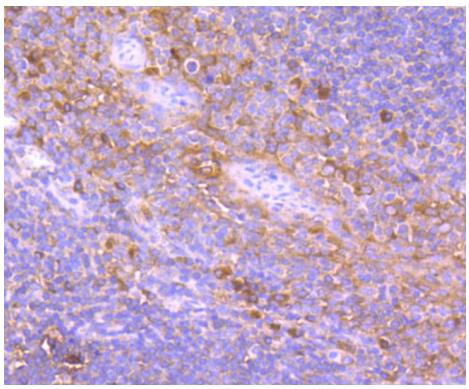
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200ICC: 1:50-1:200

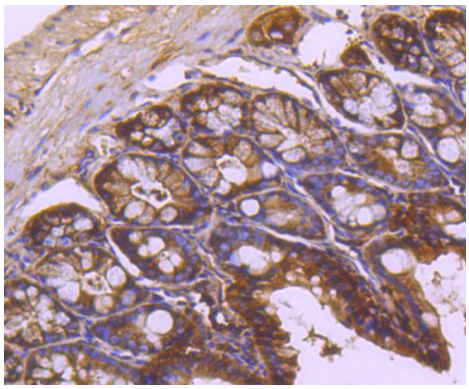
Images



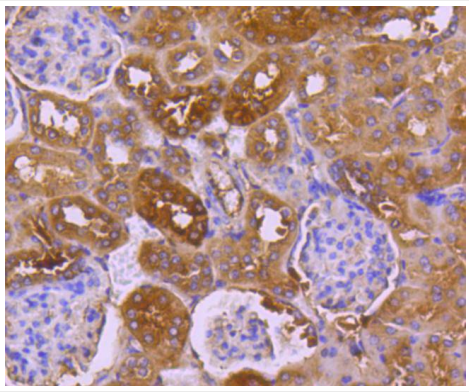
Western blot analysis of TRK fused gene on different lysates using anti-TRK fused gene antibody at 1/5,000 dilution.
Positive control: Lane 1: 293T Lane 2: Hela



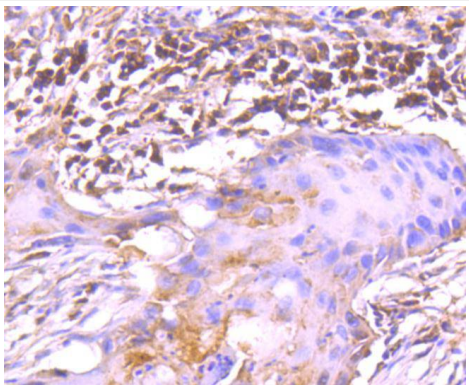
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-TRK fused gene antibody. Counter stained with hematoxylin.



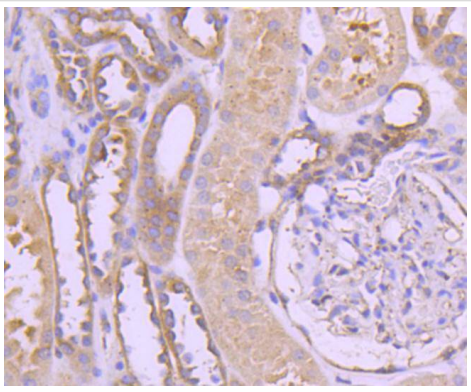
Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-TRK fused gene antibody. Counter stained with hematoxylin.



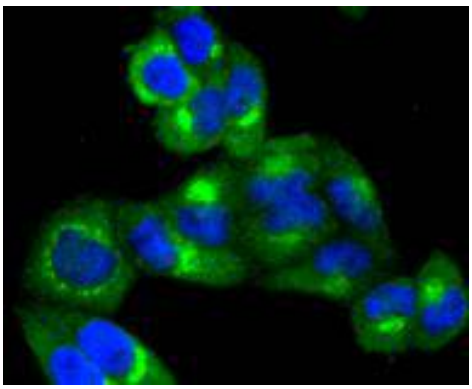
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-TRK fused gene antibody. Counter stained with hematoxylin.



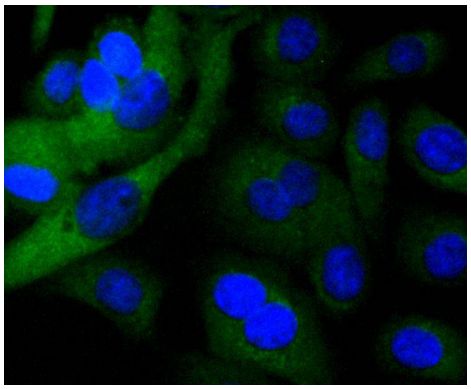
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-TRK fused gene antibody. Counter stained with hematoxylin.



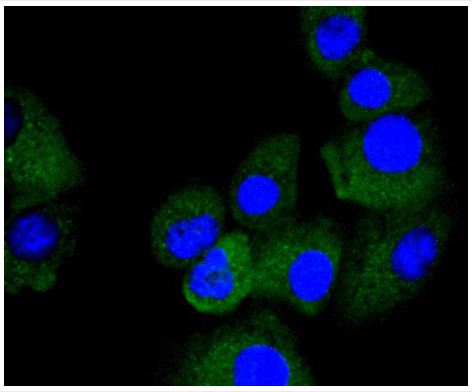
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-TRK fused gene antibody. Counter stained with hematoxylin.



ICC staining TRK fused gene in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining TRK fused gene in SKOV-3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining TRK fused gene in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Oncogenic rearrangements of the NTRK1 gene, which encodes the Trk A protein, are frequently detected in thyroid carcinomas. Such rearrangements fuse the NTRK1 tyrosine kinase domain to 5'-end sequences of different genes. TRK-T3 contains 1,412 nucleotides of NTRK1 preceded by 598 nucleotides belonging to TFG (TRK-fused gene), a ubiquitously expressed gene located on chromosome 3. The TRK-T3 protein within the TFG region contains a coiled-coil motif that gives the oncoprotein the capability to form complexes. The cytoplasmic TRK-T3 protein binds to and phosphorylates the Shc and SNT1/FRS2 adaptor proteins, both of which are involved in coupling the receptor tyrosine kinase to the mitogen-activated protein kinase pathway by recruiting Grb2/SOS. SHP-1 also interacts with and down-regulates TRK-T3.

References

Note: This product is for in vitro research use only