

Anti-TRK fused gene Antibody (4L658)

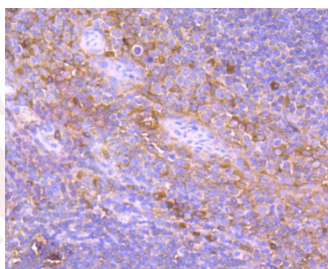
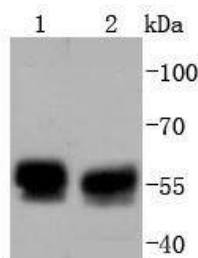
Product Details

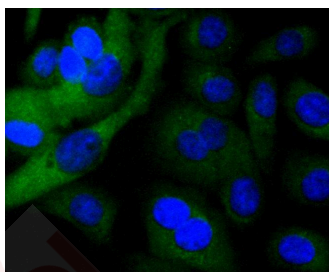
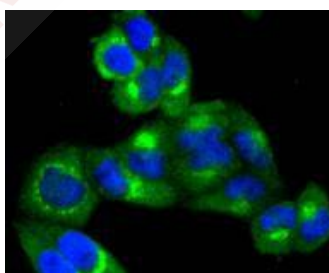
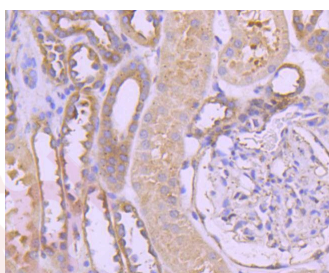
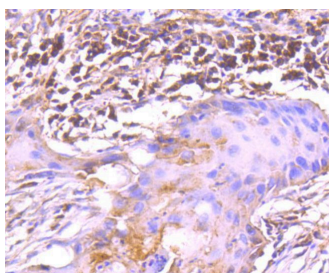
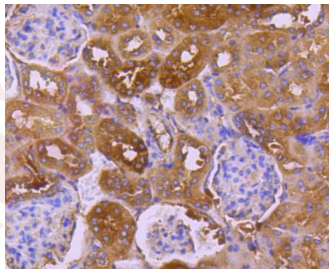
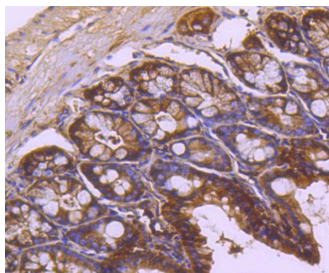
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 55 kDa.
Clone:	4L658
Purification:	ProA affinity purified

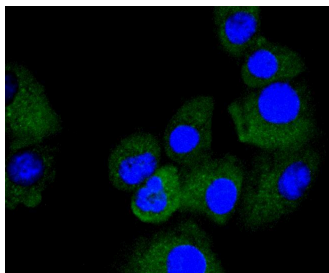
Applications

Verified Activity:

1. 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.
2. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-TRK fused gene antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-TRK fused gene antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-TRK fused gene antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-TRK fused gene antibody. Counter stained with hematoxylin.
6. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-TRK fused gene antibody. Counter stained with hematoxylin.
7. 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.
8. 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.
9. 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.







Application: ICC/IF,IHC,IP,WB

Recommended WB: 1:1000-2000; IHC: 1:50-200; ICC/IF: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q92734

Synonyms: OTTHUMP00000214047;TRKT3;TRK fused gene;TFG;Protein TFG;OTTHUMP00000214048; TFG_HUMAN;TRK fused gene protein;FLJ36137;TRK-fused gene protein;OTTHUMP00000214046; TF6;TRK fused;OTTHUMP00000214045;SPG57;TRKT3 oncogene;HMSNP

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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