

35-1647: Polyclonal Antibody to TrkA (Ab-791)

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| Clonality : | Polyclonal |
| Application : | IF |
| Reactivity : | Human |
| Gene : | NTRK1 |
| Gene ID : | 4914 |
| Uniprot ID : | P04629 |
| Format : | Purified |
| Alternative Name : | High affinity nerve growth factor receptor precursor, NTRK1, Slow nerve growth factor receptor, TRK, TRK1 transforming tyrosine kinase protein |
| Isotype : | Rabbit IgG |
| Immunogen Information : | Peptide sequence around aa.789~793 (P-V-Y-L-D) derived from Human TrkA. |

Description

Required for high-affinity binding to nerve growth factor (NGF), neurotrophin-3 and neurotrophin-4/5 but not brain-derived neurotrophic factor (BDNF). Known substrates for the Trk receptors are SHC1, PI 3-kinase, and PLC-gamma-1. Has a crucial role in the development and function of the nociceptive reception system as well as establishment of thermal regulation via sweating. Activates ERK1 by either SHC1- or PLC-gamma-1-dependent signaling pathway.

Product Info

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| Amount : | 50 µl / 100 µl |
| Content : | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| 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

Predicted MW: 140kd, Immunofluorescence: 1:100~1:200

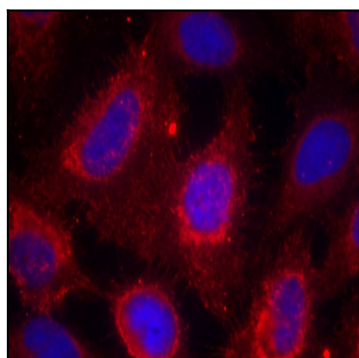


Figure 1: Immunofluorescence staining of methanol-fixed HeLa cells using TrkA(Ab-791) Antibody 35-1647 .