

TrkA Polyclonal Antibody

CATALOG #: 3194-100

AMOUNT: 100 µg

LOT #: _____

IMMUNOGEN: Synthetic peptide surrounding amino acid 494 of human TrkA (Internal ID# BV-841)

SPECIES REACTIVITY: Human, Mouse, Rat

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-TrkA polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

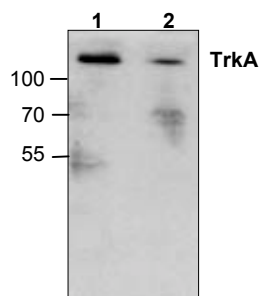
TrkA, the high affinity Nerve Growth Factor (NGF) receptor, autophosphorylates on tyrosine to activate multiple effectors. Phosphorylation at Tyr490 is required for Shc association and activation of the Ras-MAP kinase cascade. Residues Tyr674/675 lie within the catalytic domain, and phosphorylation at these sites reflects Trk kinase activity.

APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml), and in immunohistochemistry (5 µg/ml). Based on researcher's feedback, the antibody can also be used in immunoprecipitation. However, the optimal conditions should be determined individually. Blocking peptide (Cat. # 3194BP-50) is available separately.

SPECIFICITY:

The antibody detects ~140 kDa TrkA. It does not cross-react with TrkB or TrkC.



Cat. #: 3194-100
Western blot analysis of TrkA expression using Jurkat (Lane 1) and 3T3 (Lane 2) cell lysates.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

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- Nuclear Apoptosis Kits & Reagents
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Monoclonal and Polyclonal Antibodies