

## TrkA Ab

[References\(4\)](#) [Images\(3\)](#)

Cat.#: DF6822  
Size:

Concn.: ~1mg/ml  
Source: Rabbit

Mol.Wt.: 145kDa  
Clonality: Polyclonal

Application:

WB 1:500-1:2000, IHC 1:50-1:200

\*The optimal dilutions should be determined by the end user.

Reactivity:

Human,Mouse,Rat

Storage:

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification:

The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Immunogen:

A synthesized peptide derived from human TrkA, corresponding to a region within C-terminal amino acids.

Uniprot:

P04629

Description:

The family of Trk receptor tyrosine kinases consists of TrkA, TrkB, and TrkC. While the sequence of these family members is highly conserved, they are activated by different neurotrophins: TrkA by NGF, TrkB by BDNF or NT4, and TrkC by NT3 . Neurotrophin signaling through these receptors regulates a number of physiological processes, such as cell survival, proliferation, neural development, and axon and dendrite growth and patterning . In the adult nervous system, the Trk receptors regulate synaptic strength and plasticity. TrkA regulates proliferation and is important for development and maturation of the nervous system . Phosphorylation at Tyr490 is required for Shc association and activation of the Ras-MAP kinase cascade (3,4).

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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