

## Trk A Antibody | anti-Trk A antibody

Trk A (Phospho-Tyr496) Antibody

|                               |                                        |                                                  |
|-------------------------------|----------------------------------------|--------------------------------------------------|
| CATALOG #<br><b>AAA267461</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunofluorescence</b> |
|-------------------------------|----------------------------------------|--------------------------------------------------|

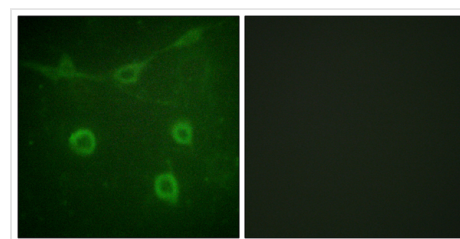
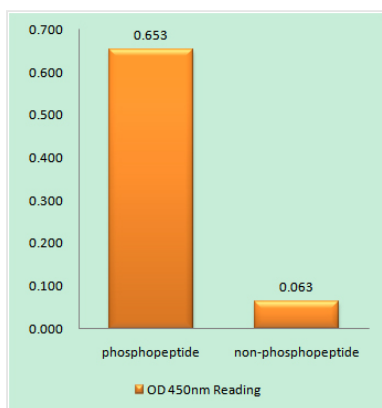
### PRODUCT SYNONYMS

Trk A; Trk A (Phospho-Tyr496) Antibody; EC 2.7.10.1; High affinity nerve growth factor receptor precursor; NTRK1; Slow nerve growth factor receptor; TRK; TRK1 transforming tyrosine kinase protein; TRKA; Trk-A; kinase TrkA; p140-TrkA; anti-Trk A antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| Specificity                                     | Trk A (Phospho-Tyr496) antibody detects endogenous levels of Trk A only when phosphorylated at tyrosine 496.                                                                                                                                        |
| Purity/Purification                             | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                     | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                 | 760                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-Trk A antibody | ELISA, IF (Immunofluorescence)                                                                                                                                                                                                                      |
| Immunogen                                       | The antiserum was produced against synthesized phosphopeptide derived from human Trk A around the phosphorylation site of tyrosine 496 (P-Q-YP-F-S).                                                                                                |
| All Sites                                       | Human: Tyr496<br>Mouse: Tyr499<br>Rat: Tyr499                                                                                                                                                                                                       |
| Preparation and Storage                         | Store at -20 degree C for 1 year.                                                                                                                                                                                                                   |

### IMAGES



Application Data  
P-peptide-+

#### IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells, using Trk A (Phospho-Tyr496) antibody. Trk A (Phospho-Tyr496) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nm are shown in the ELISA figure.

ADDITIONAL INFORMATION

|            |                                                                                                                                                               |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | E Lavenius. Cell Growth Differ., Jun 1995; 6: 727. F Miralles. J. Endocrinol., Mar 1998; 156: 431-439. Tim R. Bilderback. J. Biol. Chem., Jan 1999; 274: 257. |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| NCBI GI #                        | 56118210                                                                       |
| NCBI GeneID                      | 4914                                                                           |
| NCBI Accession #                 | NP_001007793.1                                                                 |
| NCBI GenBank Nucleotide #        | NM_001007792.1                                                                 |
| UniProt Accession #              | P04629; P08119; Q15655; Q15656; Q5D056; Q5VZS2; Q7Z5C3; Q9UIU7; B2R6T5; B7ZM34 |
| Molecular Weight                 | 77,145 Da                                                                      |
| NCBI Official Full Name          | high affinity nerve growth factor receptor isoform 3                           |
| NCBI Official Synonym Full Names | neurotrophic receptor tyrosine kinase 1                                        |
| NCBI Official Symbol             | NTRK1                                                                          |
| NCBI Official Synonym Symbols    | MTC; TRK; TRK1; TRKA; Trk-A; p140-TrkA                                         |
| NCBI Protein Information         | high affinity nerve growth factor receptor                                     |
| UniProt Protein Name             | High affinity nerve growth factor receptor                                     |
| UniProt Gene Name                | NTRK1                                                                          |
| UniProt Synonym Gene Names       | ; Trk-A                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.