

# PE-04AHV95-P

## TRKA (677-684) pY680+pY681 Peptide Powder

10-mer immunogen and phosphatase substrate phosphopeptide based on TrkA (NGFR; NTRK1)



**KINEXUS**

Address: 8755 Ash Street, Suite 1  
Vancouver, British Columbia,  
Canada V6P 6T3

Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

### Target Protein

|                        |  |
|------------------------|--|
| <b>Name Long:</b>      | Nerve growth factor (NGF) receptor-tyrosine kinase; High affinity nerve growth factor receptor   |
| <b>Name Alias:</b>     | DKFZp781114186; MTC; NTRK1; P140-TrkA; Slow nerve growth factor receptor; TRK; TRK1; TRK4; Trk-A; p140-TrkA; Q04227; CCDS1161.1; Q04227; ENSG00000198400 |
| <b>Species Origin:</b> | Human  |
| <b>UniProt ID:</b>     | P04629   |

### Peptide Structure

|                                     |  |
|-------------------------------------|--|
| <b>Peptide Name:</b>                | TRKA (677-684) pY680+pY681   |
| <b>Peptide Origin:</b>              | In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.            |
| <b>Peptide Sequence Location:</b>   | S677-G684  |
| <b>Peptide Sequence:</b>            | STD(pY)(pY)RVG(bA)C  |
| <b>Peptide N-Terminus:</b>          | Free amino   |
| <b>Peptide C-Terminus:</b>          | Amide  |
| <b>Peptide Modifications Other:</b> | Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose |

### Production

|                                   |   |
|-----------------------------------|---|
| <b>Peptide Production Method:</b> | Solid-phase peptide synthesis   |
| <b>Calculated Peptide Mass:</b>   | 1293.2  |
| <b>Observed Peptide Mass:</b>     | 1293.6  |
| <b>% Peptide Purity:</b>          | 96.1  |
| <b>Peptide Appearance:</b>        | White powder  |
| <b>Peptide Form:</b>              | Solid   |
| <b>Peptide Solubility:</b>        | Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer |
| <b>Lot Number:</b>                | KMP04CAW-12   |
| <b>Amount:</b>                    | 1 mg  |
| <b>Storage Conditions:</b>        | Frozen at -20°C   |
| <b>Storage Stability:</b>         | Over 1 year at -20°C  |

### Applications

|                     |  |
|---------------------|--|
| <b>Product Use:</b> | Serves as a blocking peptide for use with the TrkA-pY680+pY681 rabbit polyclonal antibody (Cat. No.: PK837) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases. |
|---------------------|--|

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit [www.kinexusproducts.ca](http://www.kinexusproducts.ca) or contact us at 1-866-KINASES (546-2737)