

AB-PK840

TrkC-pY709+pY710 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-tyrosine kinase TrkC (NTRK3)



KINEXUS

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Target Protein

Name Long:	NT-3 growth factor receptor
Alias:	GP145-TrkC; Kinase TrkC; Neurotrophic tyrosine kinase receptor 3; Neurotrophic tyrosine kinase, receptor, type 3; Neurotrophin-3 receptor non-catalytic isoform 1; NT-3 growth factor receptor; NTRK3; TRKC; TrkC tyrosine kinase; gp145(trkC); CCDS10340.1; ENSG00000140538
UniProt ID:	Q16288
Sequence Predicted Mass (KDa):	94.428 (839 AA; Q16288); 93.460 (831 AA; Q16288-4); 92.801 (825 AA; Q16288-3); 91.833 (817 AA; Q16288-5); 68.452 (612 AA; Q16288-2)
Observed SDS-PAGE Mass (KDa):	90-110

Immunogen

Antibody Immunogen Source:	Human TrkC (NTRK3) sequence peptide Cat. No.: PE-04AHW95
Antibody Immunogen Sequence:	STD(pY)(pY)RLF(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues S706 to F713; In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-709+Tyr-710

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipепeptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from each animal was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	0.5 mg/ml
Lot Number:	141202
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerazol
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

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Applications

Product Use:	Western blotting Antibody microarrays
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Antibody Positive Controls:	Medium immunoreactivity with immunogen peptide on dot blots.
Overall Antibody Specificity:	High-very high selectivity
Antibody Cross Reactivities:	No significant cross-reactive proteins in T98G cells.

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 or contact us at 1-866-KINEXUS(546-3987)