

## ARG66849 anti-TrkC phospho (Tyr516) antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes TrkC phospho (Tyr516)
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Specificity	This antibody detects endogenous levels of TrkC protein only when phosphorylated at Tyr516.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TrkC
Species	Human
Immunogen	Phosphospecific peptide around Tyr516 (aa. 482-531) of Human TrkC.
Conjugation	Un-conjugated
Alternate Names	TRKC; Neurotrophic tyrosine kinase receptor type 3; Trk-C; TrkC tyrosine kinase; NT-3 growth factor receptor; GP145-TrkC; EC 2.7.10.1; gp145(trkC)

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:300
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa + serum	
Observed Size	~ 150 kDa	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

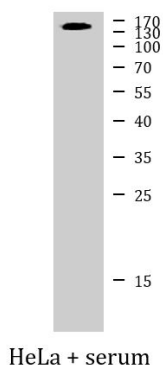
#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

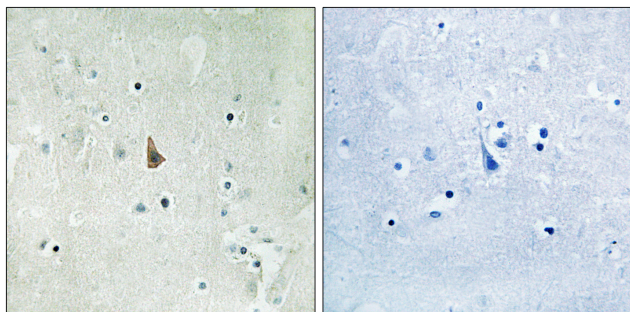
Gene Symbol	NTRK3
Gene Full Name	neurotrophic tyrosine kinase, receptor, type 3
Background	This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation and may play a role in the development of proprioceptive neurons that sense body position. Mutations in this gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]
Function	Receptor tyrosine kinase involved in nervous system and probably heart development. Upon binding of its ligand NTF3/neurotrophin-3, NTRK3 autophosphorylates and activates different signaling pathways, including the phosphatidylinositol 3-kinase/AKT and the MAPK pathways, that control cell survival and differentiation. [UniProt]
Calculated Mw	94 kDa
PTM	Ligand-mediated auto-phosphorylation. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

## Images



ARG66849 anti-TrkC phospho (Tyr516) antibody WB image

Western blot: HeLa cells treated with serum (20% for 15 min). Cell lysates were stained with ARG66849 anti-TrkC phospho (Tyr516) antibody.



ARG66849 anti-TrkC phospho (Tyr516) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human brain tissue stained with ARG66849 anti-TrkC phospho (Tyr516) antibody. The picture on the right is blocked with the phospho peptide.