

# Product datasheet

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# 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

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

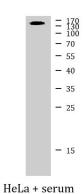
differentiation. [UniProt]

Calculated Mw 94 kDa

PTM Ligand-mediated auto-phosphorylation. [UniProt]

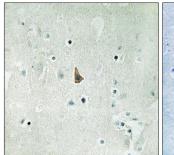
Cellular Localization Membrane; Single-pass type I membrane protein. [UniProt]

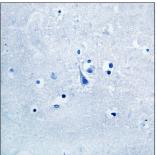
### **Images**



#### 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.