

## Mouse anti-Human Trk C Monoclonal Antibody | anti-TrkC antibody

Trk C Monoclonal Antibody

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                  |
|-----------|-------|------------|---------------------------------------------------------------|
| AAA320249 | Mouse | Human      | ELISA, Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

Trk C; Monoclonal Antibody; Trk C Monoclonal Antibody; NT-3 growth factor receptor; NTRK3; TRKC; GP145-TrkC; Trk-C; Neurotrophic tyrosine kinase receptor type 3; TrkC tyrosine kinase; anti-TrkC antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                  |
| Reactivity                                     | Human                                                                                                                  |
| Clonality                                      | Monoclonal                                                                                                             |
| Specificity                                    | Trk C Monoclonal Antibody detects endogenous levels of Trk C protein.                                                  |
| Purity/Purification                            | Affinity purification                                                                                                  |
| Form/Format                                    | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                |
| Applicable Applications for anti-TrkC antibody | ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                          |
| Immunogen                                      | Purified recombinant extracellular fragment of human Trk C (aa32-429) fused with hIgGFc tag expressed in HEK293 cells. |
| Modification                                   | Unmodified/Total                                                                                                       |
| Preparation and Storage                        | Store at -20 degree C/1 year                                                                                           |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human lymph node with DAB staining using Trk C Monoclonal Antibody.



#### WB (Western Blot)

Western Blot analysis using Trk C Monoclonal Antibody against extracellular domain of human Trk C (aa32-429).

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TrkC antibody | 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] |
| Product Categories/Family for anti-TrkC antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 59889562                                                                                                                                                         |
| NCBI GeneID                      | 4916                                                                                                                                                             |
| NCBI Accession #                 | NP_001012338.1                                                                                                                                                   |
| NCBI GenBank Nucleotide #        | NM_001012338.2                                                                                                                                                   |
| UniProt Accession #              | Q16288; O75682; Q12827; Q16289                                                                                                                                   |
| Molecular Weight                 | 94,428 Da                                                                                                                                                        |
| NCBI Official Full Name          | NT-3 growth factor receptor isoform a                                                                                                                            |
| NCBI Official Synonym Full Names | neurotrophic tyrosine kinase, receptor, type 3                                                                                                                   |
| NCBI Official Symbol             | NTRK3                                                                                                                                                            |
| NCBI Official Synonym Symbols    | TRKC; gp145(trkC)                                                                                                                                                |
| NCBI Protein Information         | NT-3 growth factor receptor; GP145-TrkC; ETV6-NTRK3 fusion; tyrosine kinase receptor C; ETS related protein-neurotrophic receptor tyrosine kinase fusion protein |
| UniProt Protein Name             | NT-3 growth factor receptor                                                                                                                                      |
| UniProt Gene Name                | <b>NTRK3</b>                                                                                                                                                     |
| UniProt Synonym Gene Names       | TRKC; Trk-C                                                                                                                                                      |
| UniProt Entry Name               | NTRK3_HUMAN                                                                                                                                                      |

**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.

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