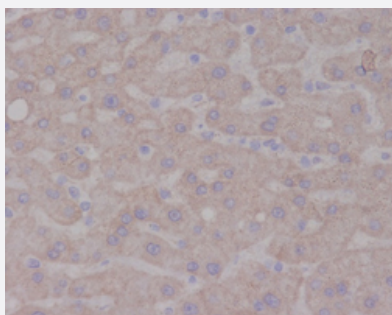


# NTRK1 monoclonal antibody, clone CDH-14

Catalog # MAB20810      Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver with NTRK1 monoclonal antibody, clone CDH-14 (Cat # MAB20810).

## Specification

|                             |                                                                                                                                                                                                                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Rabbit monoclonal antibody raised against synthetic peptide of human NTRK1.                                                                                                                                                                                                                                          |
| <b>Immunogen</b>            | A synthetic peptide corresponding to human NTRK1.                                                                                                                                                                                                                                                                    |
| <b>Host</b>                 | Rabbit                                                                                                                                                                                                                                                                                                               |
| <b>Theoretical MW (kDa)</b> | 87.497                                                                                                                                                                                                                                                                                                               |
| <b>Reactivity</b>           | Human                                                                                                                                                                                                                                                                                                                |
| <b>Form</b>                 | Liquid                                                                                                                                                                                                                                                                                                               |
| <b>Purification</b>         | Affinity purification                                                                                                                                                                                                                                                                                                |
| <b>Isotype</b>              | IgG                                                                                                                                                                                                                                                                                                                  |
| <b>Recommend Usage</b>      | Flow Cytometry (1:30)<br>Immunocytochemistry (1:50-1:200)<br>Immunofluorescence (1:50-1:200)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200)<br>Immunoprecipitation (1:50)<br>Western Blot (1:500-1:2000)<br>The optimal working dilution should be determined by the end user. |

|                     |                                                                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage Buffer      | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).                                                                                                                       |
| Storage Instruction | Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing. |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                |

## Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)  
Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver with NTRK1 monoclonal antibody, clone CDH-14 (Cat # MAB20810).
- Immunocytochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry

## Gene Info — NTRK1

|                    |                                                                      |
|--------------------|----------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">4914</a>                                                 |
| Protein Accession# | <a href="#">P04629</a>                                               |
| Gene Name          | NTRK1                                                                |
| Gene Alias         | DKFZp781I14186, MTC, TRK, TRK1, TRKA, p140-TrkA                      |
| Gene Description   | neurotrophic tyrosine kinase, receptor, type 1                       |
| Omim ID            | <a href="#">155240</a> <a href="#">191315</a> <a href="#">256800</a> |
| Gene Ontology      | <a href="#">Hyperlink</a>                                            |

**Gene Summary**

This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date. [provided by RefSeq]

**Other Designations**

OTTHUMP00000038736|Oncogene TRK|high affinity nerve growth factor receptor|tyrosine kinase receptor A

## Pathway

- [Apoptosis](#)
- [Endocytosis](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Pathways in cancer](#)
- [Thyroid cancer](#)

## Disease

- [Alzheimer disease](#)
- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Eating Disorders](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hereditary Sensory and Autonomic Neuropathies](#)

- [Hyperparathyroidism](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Mental Disorders](#)
- [Neuroblastoma](#)
- [Social Perception](#)
- [Thyroid Diseases](#)
- [Thyroid Neoplasms](#)