



## pan-TRK

Catalog # 10175.05 or .10 (0.5 ml or 1.0 ml concentrated)

### INTENDED USE

- **In Vitro:** This product is intended for qualitative immunohistochemistry with normal and neoplastic, formalin-fixed, paraffin embedded tissue sections, to be viewed by light microscopy. This antibody was tested both with manual application and the most popular automated immunostainers.
- **Description:** Neurotrophic tyrosine kinase receptor (NTRK) is a family of 3 proto-oncogenes including NTRK1, NTRK2, and NTRK3 encoding Trk A, Trk B, and Trk C proteins, respectively. The latter are involved in biological processes such as neuronal survival, differentiation, and plasticity under physiological circumstances. In various cancers, oncogenic fusions involving the kinase domain of NTRK1, 2, or 3 are present. Pan-Trk IHC is a time- and tissue-efficient screen for NTRK fusions, particularly in driver-negative advanced malignancies and potential cases of secretory carcinoma and congenital fibrosarcoma. Pan-Trk IHC can help determine whether translation occurs for novel NTRK rearrangements.
- **Expected Staining Pattern:** Cytoplasmic
- **Positive Control:** Cerebral cortex tissue

### MATERIALS PROVIDED

- **pan-TRK specific rabbit polyclonal antibody:** #10175, concentrated, with 0.09% sodium azide.
- **Host:** Rabbit
- **Epitope:** Not determined.
- **Species Reactivity:** Human.
- **Clone:** Polyclonal
- **Ig Isotype / Light Chain:**
- **Immunogen:** Peptide-KLH conjugate with human Trk A (777-796aa)
- **Sterility:** This product is not sterile.

### MATERIALS REQUIRED, BUT NOT PROVIDED

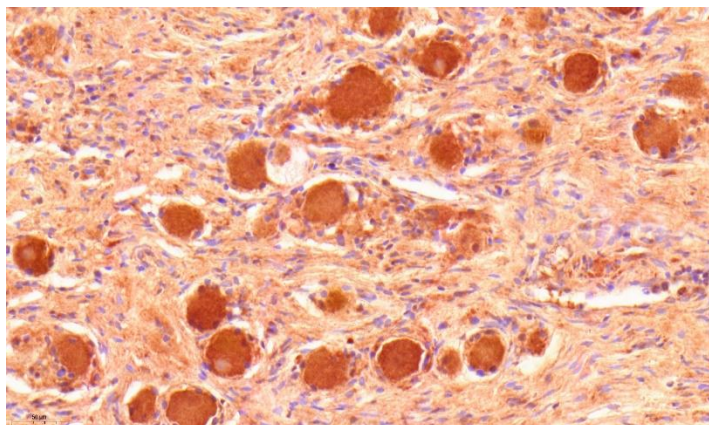
- Detection system
- Chromogen/substrate system

### METHODS AND PROCEDURES

- **Tissue Section Pretreatment:** Staining of formalin-fixed tissue sections requires treating in boiling 10mM citrate buffer, pH 6.0 for 10-20 minutes.
- **Recommended Pretreatment:**  
HISTOLS®-Citrate Buffer (cat#30010)  
HISTOLS®-Peroxidase Blocking Solution (cat# 30013)  
HISTOLS®-BBPS (Background Blocking Protein Solution) (cat# 30012)
- **Dilution of Concentrated Antibody:** 1:100 in antibody diluent (for informational purposes only), exact dilution must be determined by user.
- **Primary Antibody Incubation Time:** 60 minutes at RT.
- **Recommended Detection System:** HISTOLS®-MR (anti- mouse & rabbit Ig) (cat# 30011)
- **Visualization:** To detect antibody binding sites, follow the instructions provided with the chromogen/substrate system.

### STORAGE AND STABILITY

This product contains sodium azide and is stable when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.



Vegetative ganglion, pan-TRK

For research use only

