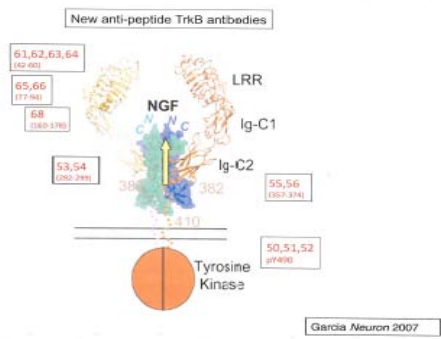
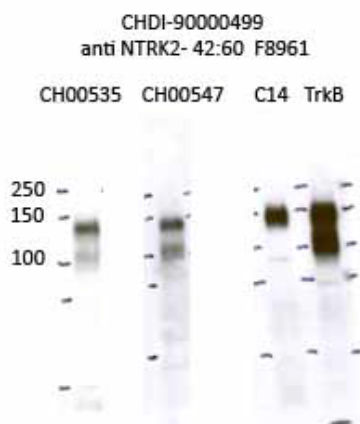
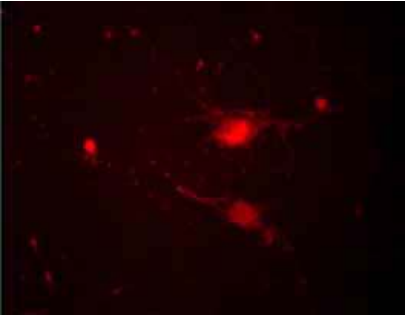


HD COMMUNITY BIOREPOSITORY – ANTIBODY DATASHEET

| Antibody Information | |
|--------------------------------------|--|
| CHDI# | CHDI-90000499 |
| CCR# (Coriell ID) | CH00535 CH00547 |
| Antibody Name | anti NTRK2-42:60, F8961 |
| Description | Rabbit polyclonal antibody specific to residue 42 -60 of Trk B |
| Target Protein Name |  |
| Volume/Concentration per vial | CH00535 1.24 mg/mL 250 µL CH00547 0.95 mg/mL 250 µL |
| Host Species | Rabbit |
| Isotype | Polyclonal |
| Immunogen/Epitope Sequence | RIWCTEPSPGIVAFPRLEP |
| Format | Affinity purified |
| Preparation | Borate-Buffered Saline + 1% BSA (w/v) |
| Source | Open Biosystems, Inc. |
| Date Made | 12/17/2009 and 3/25/10 |
| Species Reactivity | Mouse; Rat (as predicted by 100% homology of immunogen); Human=2 amino acid difference |
| Date Aliquotes Frozen | June 2010 |
| Storage Conditions | -80°C |
| Application Notes | |
| Specificity Notes | strong immune-reactivity to TrkB, but not TrkA or TrkC |
| Validated Applications and Dilution* | WB: 1µg/mL (best performance for this epitope); ICC-FL: 1µg/mL (appears painted, weak signal); IHC: no data available IP/ELISA: no data available |
| Supporting Data | <p>Courtesy of M. Chao (NYU):</p> <p>Rat E18 primary cortical neurons DIV6, starved 6h in MEM/glucose + 25 ng/mL BDNF for 10 min; 7.5 µg/mL lysate/lane; all antibodies used at 1 µg/mL; band @ 100kDa reflects the truncated TrkB species</p> <p>C14 = Santa Cruz antibody; TrkB = Upstate Antibody</p>  |

| | |
|--|---|
| Supporting Data continued | <p>Rat E18 primary cortical neurons were fixed in 4% PFA, 20% sucrose in PBS for 10 min at RT. The fixative was quenched and cells were permeabilized with 0.1% TX-100 in PBS for 3 min, blocked and incubated with TrkB antibodies @1 µg/mL and 2° antibodies @ 1:1000 in blocking solution. Cells were washed and mounted in Mowiol488. Images were taken on an EclipseE800 microscope equipped with a 20X objective (Nikon), FITC and TRITC filters (HQ96170M and HQ96171M, Chroma Technology Corp) and an AxioCam HR camera. using Axiovision software (Zeiss Vision GmbH).</p>  |
| Miscellaneous Background Information and Literature References | Best performance for this epitope |

* Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures.

During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

Our antibodies have not been fully characterized and we cannot guarantee that the antibodies will work in any application other than ELISA against the immunizing peptide. Whenever possible, we will make data including suggested working dilutions available and the information provided should be used as a guideline only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls. Species reactivity information on the datasheets is provided for reference only.

We would greatly appreciate your feedback on the antibody, whether positive or negative.

For research use only; not for use as a diagnostic.