

Product datasheet for **TA806413**

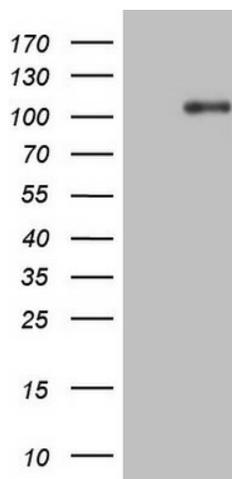
TrkA (NTRK1) Mouse Monoclonal Antibody [Clone ID: OTI5B6]

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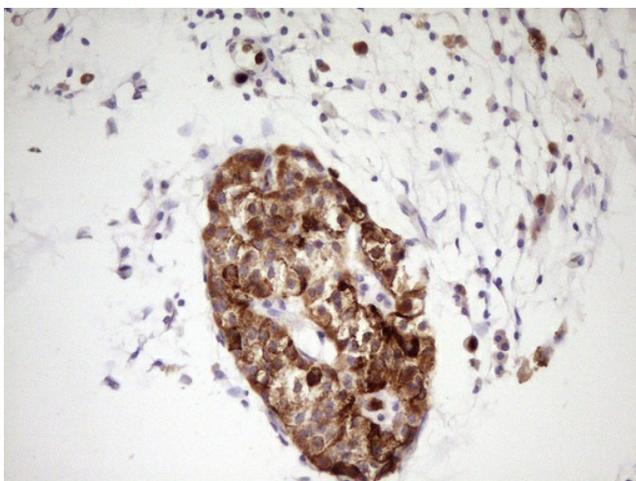
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|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI5B6 |
| Applications: | IHC, WB |
| Recommend Dilution: | WB 1:2000, IHC 1:150 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Human recombinant protein fragment corresponding to amino acids 440-796 of human NTRK1(NP_002520) produced in E.coli. |
| Formulation: | PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 1 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Predicted Protein Size: | 87.3 kDa |
| Gene Name: | neurotrophic receptor tyrosine kinase 1 |
| Database Link: | NP_002520 Entrez Gene 4914 Human |
| Background: | 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, Jul 2008] |
| Synonyms: | MTC; p140-TrkA; TRK; Trk-A; TRK1; TRKA |
| Protein Families: | Druggable Genome, Protein Kinase, Transmembrane |
| Protein Pathways: | Apoptosis, Endocytosis, MAPK signaling pathway, Neurotrophin signaling pathway, Pathways in cancer, Thyroid cancer |



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Product images:

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NTRK1 ([RC213047], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NTRK1. Positive lysates [LY419273] (100ug) and [LC419273] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-NTRK1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA806413)