

## Product datasheet for **TA500386M**

### TrkB (NTRK2) Mouse Monoclonal Antibody [Clone ID: OTI2E1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2E1
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:1000, IHC 1:150, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NTRK2 (NP_001007098) produced in HEK293T cell
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1.17 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	92 kDa
Gene Name:	neurotrophic receptor tyrosine kinase 2
Database Link:	<a href="#">NP_001007098</a> <a href="#">Entrez Gene 4915 Human</a> <a href="#">Q16620</a>
Background:	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. Mutations in this gene have been associated with obesity and mood disorders. Alternate transcriptional splice variants encoding different isoforms have been found for this gene

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**Synonyms:** GP145-TrkB; trk-B; TRKB

**Note:** WB application: Only overexpression results are guaranteed, not endogenous.

**Protein Families:** Druggable Genome, Protein Kinase, Transmembrane

**Protein Pathways:** MAPK signaling pathway, Neurotrophin signaling pathway

## Product images:

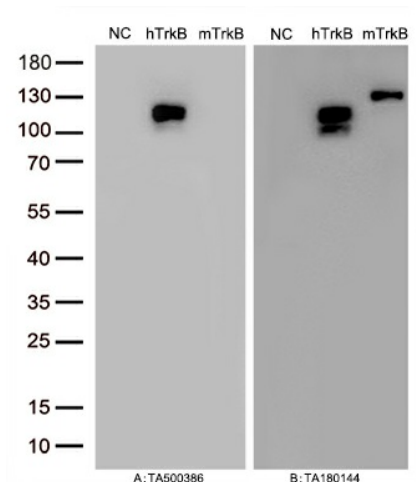
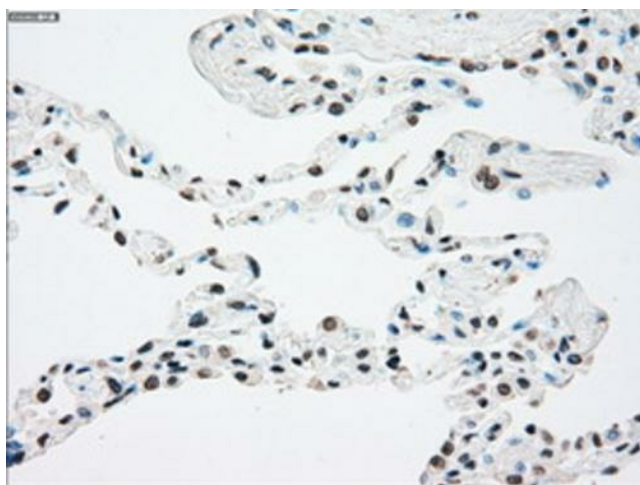
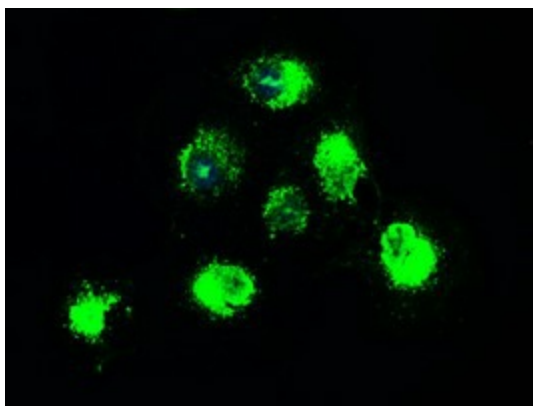


Figure A, Western blot analysis of overexpressed lysates (5ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), human TrkB plasmid ([RC205129], hTrkB), mouse TrkB plasmid ([MR226130], mTrkB) using anti-TrkB antibody [TA500386] (1:20000@1mg/ml). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody [TA180144], 1:20000@1mg/ml



Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-NTRK2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-NTRK2 mouse monoclonal antibody ([TA500386]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY NTRK2 ([RC205129]).