

## Product datasheet for TA500537

### TrkC (NTRK3) Mouse Monoclonal Antibody [Clone ID: OTI2B8]

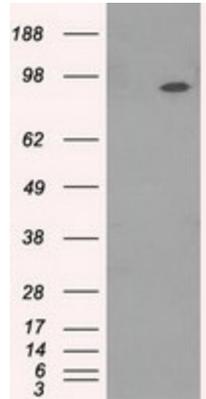
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2B8
Applications:	IF, IHC, WB
Recommend Dilution:	WB 1:2000, IHC 1:50, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full-length protein expressed in 293T cell transfected with human NTRK3 expression vector
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:	94.4 kDa
Gene Name:	neurotrophic receptor tyrosine kinase 3
Database Link:	<a href="#">NP_001007157 Entrez Gene 4916 Human</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 and may play a role in the development of proprioceptive neurons that sense body position. Mutations in this gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers.
Synonyms:	gp145(trkC); TRKC
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Neurotrophin signaling pathway

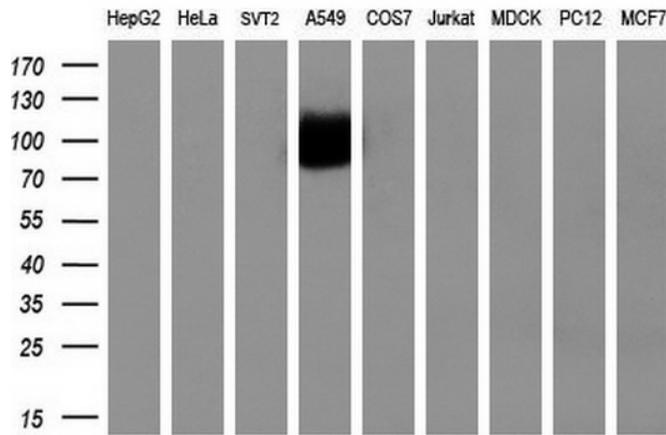


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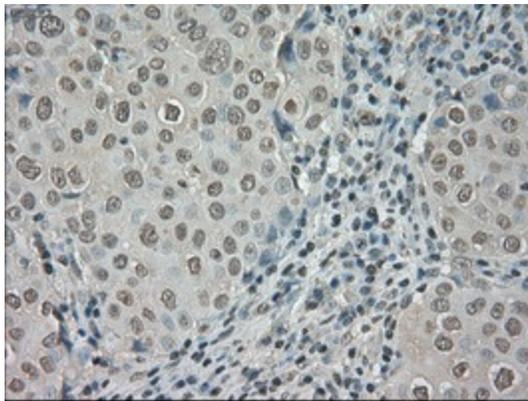
Product images:



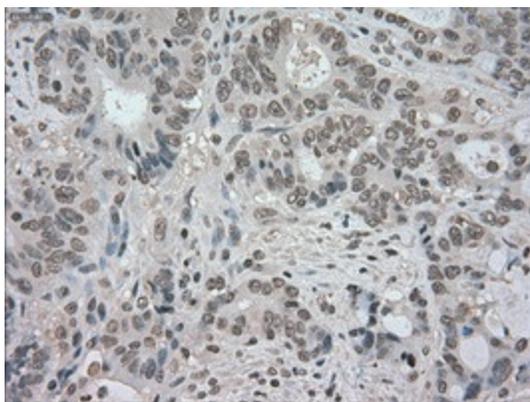
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NTRK3 ([RC203781], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NTRK3.



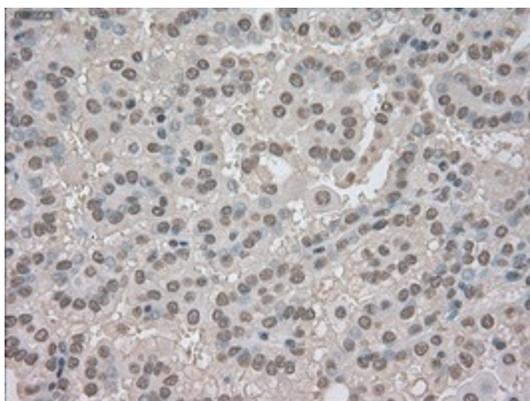
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-NTRK3 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).



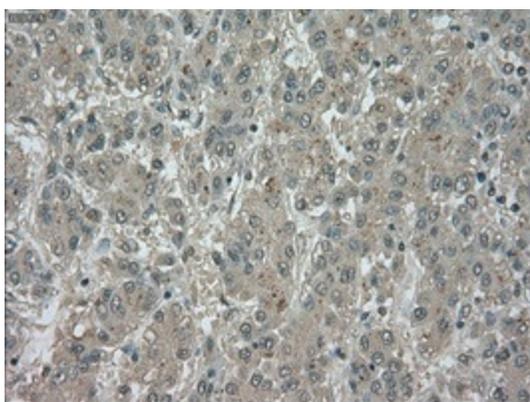
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-NTRK3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500537)



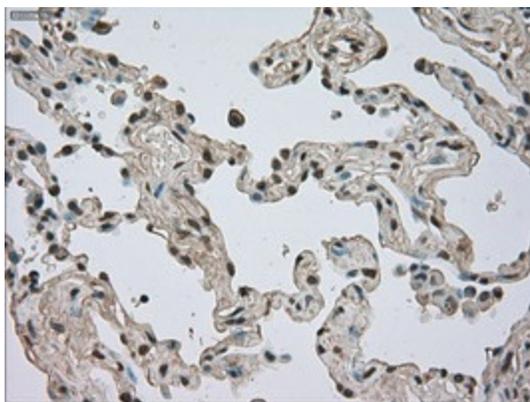
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-NTRK3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500537)



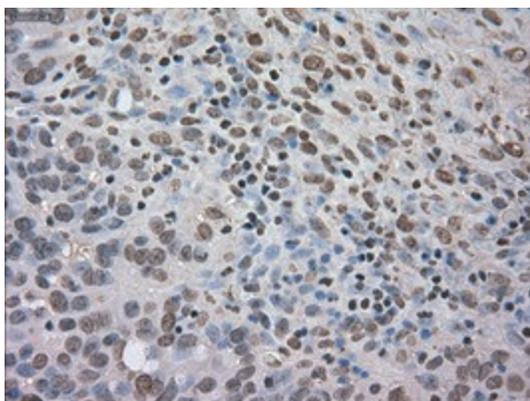
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-NTRK3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500537)



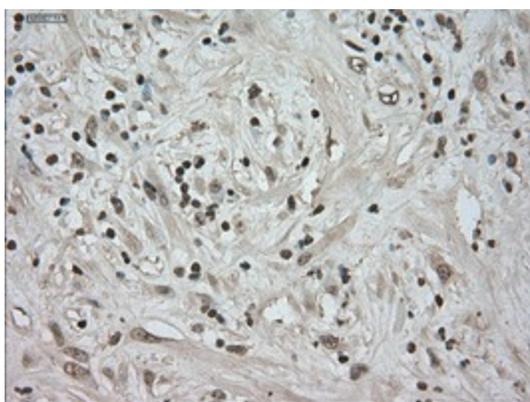
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-NTRK3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500537)



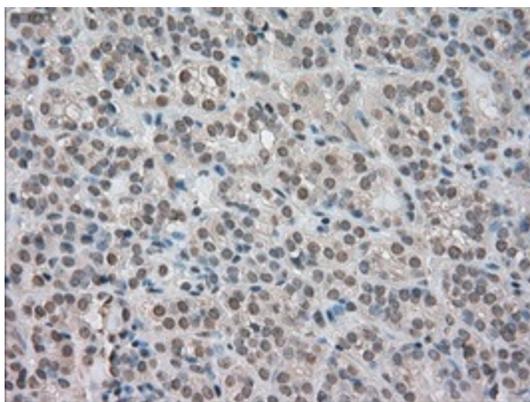
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-NTRK3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500537)



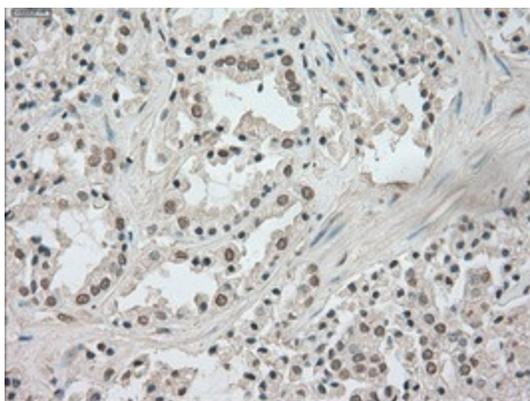
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-NTRK3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500537)



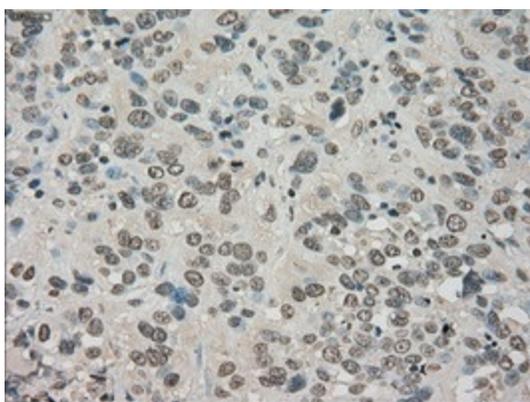
Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-NTRK3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500537)



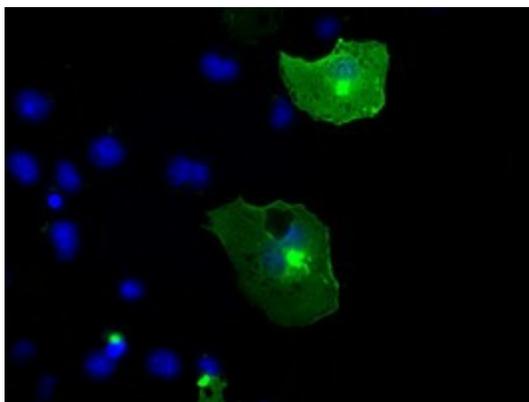
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-NTRK3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500537)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-NTRK3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500537)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-NTRK3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500537)



Anti-NTRK3 mouse monoclonal antibody (TA500537) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY NTRK3 ([RC203781]).