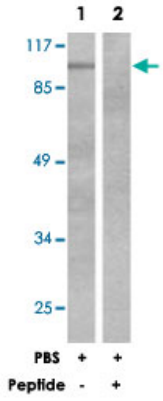
NTRK2 polyclonal antibody

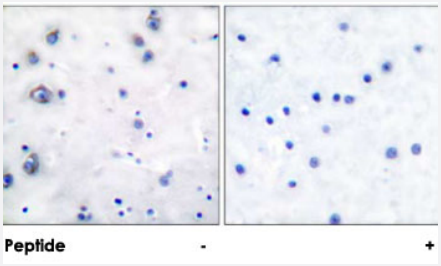
Catalog # PAB18110 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from NIH/3T3 cells treated with PBS (60 min), using NTRK2 polyclonal antibody (Cat # PAB18110).
Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using NTRK2 polyclonal antibody (Cat # PAB18110).
Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NTRK2.
Immunogen	A synthetic peptide corresponding to human NTRK2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to NTRK2.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of extracts from NIH/3T3 cells treated with PBS (60 min), using NTRK2 polyclonal antibody (Cat # PAB18110).
  Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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  Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NTRK2

Entrez GeneID	4915
Protein Accession#	Q16620
Gene Name	NTRK2
Gene Alias	GP145-TrkB, TRKB
Gene Description	neurotrophic tyrosine kinase, receptor, type 2
Omim ID	600456
Gene Ontology	Hyperlink

Gene Summary	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. [provided by RefSeq
Other Designations	BDNF/NT-3 growth factors receptor|OTTHUMP00000021573|OTTHUMP00000021574|OTTHUMP00000021575|OTTHUMP00000021576|OTTHUMP00000021577|tyrosine kinase receptor B

Publication Reference

- Growth factors and the epididymis.

  Tomsig JL, Turner TT.

  Journal of Andrology 2006 May; 27(3):348.

- Novel p62dok family members, dok-4 and dok-5, are substrates of the c-Ret receptor tyrosine kinase and mediate neuronal differentiation.

  Grimm J, Sachs M, Britsch S, Di Cesare S, Schwarz-Romond T, Alitalo K, Birchmeier W.

  The Journal of Cell Biology 2001 Jul; 154(2):345.

Pathway

- MAPK signaling pathway
- Neurotrophin signaling pathway

Disease

- Alcoholism
- Alzheimer disease
- Anorexia Nervosa
- Antisocial Personality Disorder
- Asperger Syndrome
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder

- Avoidance Learning
- Bipolar Disorder
- Bulimia
- Cardiovascular Diseases
- Cognition
- Depressive Disorder
- Diabetes Mellitus
- Disease Models
- Eating Disorders
- Edema
- Genetic Predisposition to Disease
- Mental Disorders
- Mood Disorders
- Obsessive-Compulsive Disorder
- Psychiatric Status Rating Scales
- Schizophrenia
- Schizophrenic Psychology
- Sleep Disorders
- Social Perception
- Stress Disorders
- Tobacco Use Disorder
- Weight Gain