



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## NTRK2 monoclonal antibody (M02), clone 3D12

Catalog # : H00004915-M02

規格 : [ 100 ug ]

[List All](#)

### Specification

**Product Description:** Mouse monoclonal antibody raised against a full-length recombinant NTRK2.

**Immunogen:** NTRK2 (AAH31835, 1 a.a. ~ 477 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

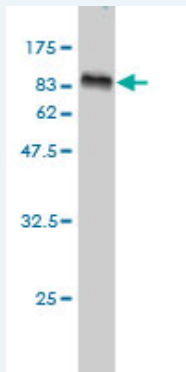
**Sequence:** MSSWIRWHGPMARLWGF CWLWGFWRAAFACPT SCKCSASRIWCSD  
PSPGIVAFPRLEPNSVDPENITEIFIANQKRLEIINEDDVEAYVGLRNLTMDS  
GLKFVAHKAF LKNSNLQHINFRNKLTSLSRKHFRHLDLSELILVGNPFTC  
SCDIMWIKTLQEAKSSPDTQDLYCLNESSKNIPLANLQIPNCGLPSANLAA  
PNLTVEEGKSITLSCSVAGDPVPMYWDVGNLVSKHMMNETSHTQGSLRI  
TNISSDDSGKQISCVAENLVGEDQDSVNLTVHFAPTITFLESPTSDHHWCI  
PFTVKGNPKPALQWFYNGAILNESKYICTKIHVTNHTEYHGCLQLDNPTH  
MNNGDYTLIAKNEYGKDEKQISAHFMGWPGIDGANNPNYPDVIYEDYGTA  
ANDIGDTTNRSNEIPSTDVTDKTGREHLSVYAVVVIASVVGFCLLVMLFLL  
KLARHSKFGMKGFVLFHKIPLDG

**Host:** Mouse

**Reactivity:** Human

**Isotype:** IgG2a kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (78.21 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

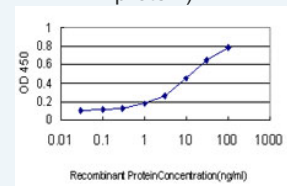
### Publication Reference

1. [Pharmacological characterization of six trkB antibodies reveals a novel class of functional agents for the study of the BDNF receptor.](#)  
Cazorla M, Arrang JM, Premont J.Br J Pharmacol. 2011 Feb;162(4):947-60. doi: 10.1111/j.1476-5381.2010.01094.x.

### Application Image

Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

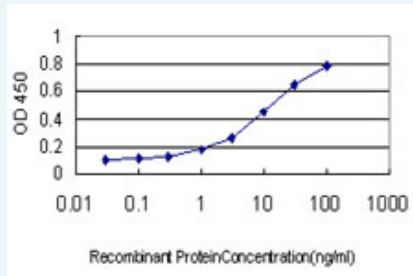
ELISA

## Applications


### Western Blot (Recombinant protein)

 [Protocol Download](#)

### Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged NTRK2 is approximately 0.3ng/ml as a capture antibody.

 [Protocol Download](#)

## ELISA

### Gene Information

**Entrez GeneID:** [4915](#)

**GeneBank** [BC031835](#)

**Accession#:**

**Protein** [AAH31835](#)

**Accession#:**

**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

### Gene Pathway

[MAPK signaling pathway](#) [Neurotrophin signaling pathway](#)

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