Datasheet for ABIN562055

anti-TRKB antibody (AA 1-477)

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Overview

Quantity:	100 µg
Target:	TRKB (NTRK2)
Binding Specificity:	AA 1-477
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TRKB antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	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:	MSSWIRWHGP AMARLWGFCW LVVGFWRAAF ACPTSCKCSA SRIWCSDPSP GIVAFPRLEP NSVDPENITE IFIANQKRLE IINEDDVEAY VGLRNLTIVD SGLKFVAHKA FLKNSNLQHI NFTRNKLTSL SRKHFRHLDL SELILVGNPF TCSCDIMWIK TLQEAKSSPD TQDLYCLNES SKNIPLANLQ IPNCGLPSAN LAAPNLTVEE GKSITLSCSV AGDPVPNMYW DVGNLVSKHM NETSHTQGSL RITNISSDDS GKQISCVAEN LVGEDQDSVN LTVHFAPTIT FLESPTSDHH WCIPFTVKGN PKPALQWFYN GAILNESKYI CTKIHVTNHT EYHGCLQLDN PTHMNNGDYT LIAKNEYGKD EKQISAHFMG WPGIDDGANP NYPDVIYEDY GTAANDIGDT TNRSNEIPST DVTDKTGREH LSVYAVVVIA SVVGFCLLVM LFLLKLARHS KFGMKGFVLF HKIPLDG

Product Details

Clone:	4D3-F10
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	TRKB (NTRK2)
Alternative Name:	NTRK2 (NTRK2 Products)
Background:	Full Gene Name: neurotrophic tyrosine kinase, receptor, type 2 Synonyms: GP145-TrkB,TRKB
Gene ID:	4915
Pathways:	RTK Signaling, Neurotrophin Signaling Pathway, cAMP Metabolic Process, Skeletal Muscle Fiber Development, Feeding Behaviour, Dicarboxylic Acid Transport

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

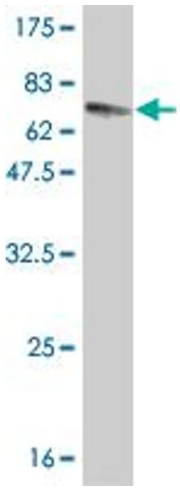
Publications

Product cited in:	Ranjan, Sood, Dudas, Glueckert, Schrott-Fischer, Roy, Pyykkö, Kinnunen: "Peptide-mediated targeting of liposomes to TrkB receptor-expressing cells." in: **International journal of nanomedicine**, Vol. 7, pp. 3475-85, (2012) (PubMed). Martens, Kirschner, Warnecke, Scholz: "Hypoxia-inducible factor-1 (HIF-1) is a transcriptional

Publications

activator of the TrkB neurotrophin receptor gene." in: **The Journal of biological chemistry**, Vol. 282, Issue 19, pp. 14379-88, (2007) (PubMed).

Images



Western Blotting

Image 1. Western Blot detection against Immunogen (78.21 KDa) .