Datasheet for ABIN6746328

anti-TRKB antibody (AA 466-515)

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Overview

Quantity:	100 µL
Target:	TRKB (NTRK2)
Binding Specificity:	AA 466-515
Reactivity:	Human, Monkey, Rabbit, Cow, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRKB antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Synthetic peptide located between aa466-515 of human NTRK2 (Q8WXJ5, NP_001018075). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Marmoset, Panda, Bovine, Rabbit, Horse (100%), Bat (87%), Galago (81%). Type of Immunogen: Synthetic peptide
Specificity:	Human NTRK2 / TRKB
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Rabbit, Horse (100%).
Purification:	Immunoaffinity purified

Target Details

Target:	TRKB (NTRK2)

Target Details

Alternative Name:	NTRK2 / TRKB (NTRK2 Products)
Background:	Name/Gene ID: NTRK2 Subfamily: Trk/Ror Family: Protein Kinase Synonyms: NTRK2, gp145-TrkB, Trk-B, TRKB, Tropomyosin-related kinase B, TrkB tyrosine kinase, Tyrosine kinase receptor B
Gene ID:	4915
NCBI Accession:	NP_001018075
UniProt:	Q16620
Pathways:	RTK Signaling, Neurotrophin Signaling Pathway, cAMP Metabolic Process, Skeletal Muscle Fiber Development, Feeding Behaviour, Dicarboxylic Acid Transport

Application Details

Application Notes:	Approved: WB (0.2 - 1 µg/mL) Usage: Western Blot: Suggested dilution at 1 µg/mL in 5 % skim milk / PBS buffer, and HRP conjugated anti-Rabbit IgG should be diluted in 1: 50,000 - 100,000 as secondary antibody.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Distilled water
Concentration:	Lot specific
Buffer:	Lyophilized from PBS with 2 % sucrose
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year)

Handling

Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

Publications

Product cited in:

Shahan, Sorenson, Simpson, Kefalides, Lewis: "Tyrosine kinase activation in response to fungal spores is primarily dependent on endogenous reactive oxygen production in macrophages." in: **The Journal of biological chemistry**, Vol. 275, Issue 14, pp. 10175-81, (2000) (PubMed).

Yang, Malek, Desiderio: "An SH3-binding site conserved in Bruton's tyrosine kinase and related tyrosine kinases mediates specific protein interactions in vitro and in vivo." in: **The Journal of biological chemistry**, Vol. 270, Issue 35, pp. 20832-40, (1995) (PubMed).

Aoki, Isselbacher, Pillai: "Bruton tyrosine kinase is tyrosine phosphorylated and activated in pre-B lymphocytes and receptor-ligated B cells." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 91, Issue 22, pp. 10606-9, (1994) (PubMed).

Vetrie, Vorechovský, Sideras, Holland, Davies, Flinter, Hammarström, Kinnon, Levinsky, Bobrow: "The gene involved in X-linked agammaglobulinaemia is a member of the src family of protein-tyrosine kinases." in: **Nature**, Vol. 361, Issue 6409, pp. 226-33, (1993) (PubMed).

Images

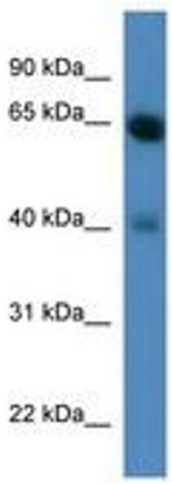

Image 1.