

Resource Summary Report

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Mouse Anti-TrkB Monoclonal Antibody, Unconjugated, Clone 47

RRID:AB_397507

Type: Antibody

Proper Citation

(BD Biosciences Cat# 610101, RRID:AB_397507)

Antibody Information

URL: http://antibodyregistry.org/AB_397507

Proper Citation: (BD Biosciences Cat# 610101, RRID:AB_397507)

Target Antigen: TrkB

Host Organism: mouse

Clonality: monoclonal

Comments: Bioimaging, Immunohistochemistry, Immunoprecipitation, Western blot

Antibody Name: Mouse Anti-TrkB Monoclonal Antibody, Unconjugated, Clone 47

Description: This monoclonal targets TrkB

Target Organism: rat, mouse

Antibody ID: AB_397507

Vendor: BD Biosciences

Catalog Number: 610101

Record Creation Time: 20241017T000022+0000

Record Last Update: 20241017T013341+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-TrkB Monoclonal Antibody, Unconjugated, Clone 47.

No alerts have been found for Mouse Anti-TrkB Monoclonal Antibody, Unconjugated, Clone 47.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Rais M, et al. (2022) Functional consequences of postnatal interventions in a mouse model of Fragile X syndrome. *Neurobiology of disease*, 162, 105577.

Yajima H, et al. (2021) Absence of Thyroid Hormone Induced Delayed Dendritic Arborization in Mouse Primary Hippocampal Neurons Through Insufficient Expression of Brain-Derived Neurotrophic Factor. *Frontiers in endocrinology*, 12, 629100.

Lin PY, et al. (2021) A synaptic locus for TrkB signaling underlying ketamine rapid antidepressant action. *Cell reports*, 36(7), 109513.

Kulinich AO, et al. (2020) Beneficial effects of sound exposure on auditory cortex development in a mouse model of Fragile X Syndrome. *Neurobiology of disease*, 134, 104622.

Pirbhoy PS, et al. (2020) Acute pharmacological inhibition of matrix metalloproteinase-9 activity during development restores perineuronal net formation and normalizes auditory processing in Fmr1 KO mice. *Journal of neurochemistry*, 155(5), 538.

Fernández-García S, et al. (2020) Astrocytic BDNF and TrkB regulate severity and neuronal activity in mouse models of temporal lobe epilepsy. *Cell death & disease*, 11(6), 411.

Simó A, et al. (2018) BDNF-TrkB Signaling Coupled to nPKC γ and cPKC δ Modulate the Phosphorylation of the Exocytotic Protein Munc18-1 During Synaptic Activity at the Neuromuscular Junction. *Frontiers in molecular neuroscience*, 11, 207.

Benvegnù S, et al. (2017) Aging Triggers Cytoplasmic Depletion and Nuclear Translocation of the E3 Ligase Mahogunin: A Function for Ubiquitin in Neuronal Survival. *Molecular cell*, 66(3), 358.

Guo Y, et al. (2017) Brain-derived neurotrophic factor/neurotrophin 3 regulate axon initial

segment location and affect neuronal excitability in cultured hippocampal neurons. *Journal of neurochemistry*, 142(2), 260.

Furuta M, et al. (2013) Estrogen, predominantly via estrogen receptor α , attenuates postpartum-induced anxiety- and depression-like behaviors in female rats. *Endocrinology*, 154(10), 3807.