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anti-BDNF antibody (AA 19-248)





Publication



Go to Product page

Overview

Quantity:	0.1 mg
Target:	BDNF
Binding Specificity:	AA 19-248
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BDNF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human BDNF (AA: 19-248) expressed in E. coli.
Clone:	3D9C5
Isotype:	lgG1
Purification:	purified

Target Details

Target:	BDNF
Alternative Name:	BDNF (BDNF Products)
Background:	Description: The protein encoded by this gene is a member of the nerve growth factor family. It
	is induced by cortical neurons, and is necessary for survival of striatal neurons in the brain.

Target Details

	Expression of this gene is reduced in both Alzheimer's and Huntington disease patients. This gene may play a role in the regulation of stress response and in the biology of mood disorders. Multiple transcript variants encoding distinct isoforms have been described for this gene.,
Molecular Weight:	Aliases: ANON2, BULN2 27.8 kDa
Gene ID:	627
HGNC:	627
Pathways:	RTK Signaling, Synaptic Membrane, Feeding Behaviour, Dicarboxylic Acid Transport, Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000
Restrictions:	For Research Use only
Handling	

Handling

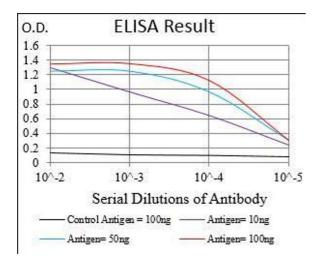
Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

Publications

Product cited in: Yoshida, Ishikawa, Niitsu, Nakazato, Watanabe, Shiraishi, Shiina, Hashimoto, Kanahara,

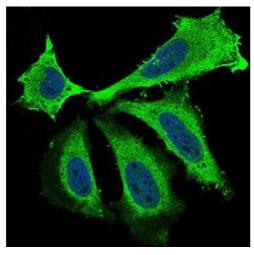
Hasegawa, Enohara, Kimura, Iyo, Hashimoto: "Decreased serum levels of mature brain-derived neurotrophic factor (BDNF), but not its precursor proBDNF, in patients with major depressive

disorder." in: PLoS ONE, Vol. 7, Issue 8, pp. e42676, (2012) (PubMed).



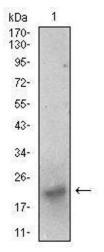
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Immunofluorescence

Image 2. Immunofluorescence analysis of Hela cells using BDNF mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Secondary antibody from Fisher (Cat#: 35503)



Western Blotting

Image 3. Western blot analysis using BDNF mouse mAb against SK-N-SH (1) cell lysate.

Please check the product details page for more images. Overall 5 images are available for ABIN1724944.