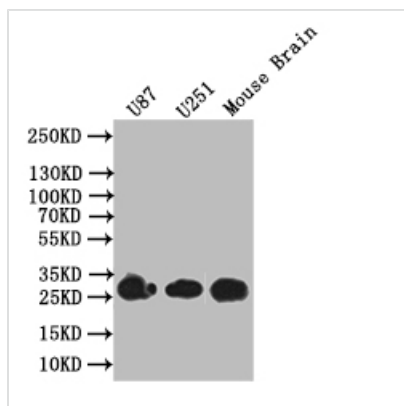




BDNF Recombinant Monoclonal Antibody

Product Code	CSB-RA989910A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P23560
Immunogen	A synthesized peptide derived from Human BDNF
Species Reactivity	Human, Mouse
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:2000
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience;Cardiovascular;Metabolism
Gene Names	BDNF
Clone No.	1A1

Image



Western Blot

Positive WB detected in: U87 whole cell lysate, U251 whole cell lysate, Mouse Brain tissue lysate

All lanes: BDNF antibody at 1:1000

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 28 kDa

Observed band size: 28 kDa

Description

The BDNF recombinant monoclonal antibody is synthesized in vitro through a systematic process. The BDNF antibody genes are first isolated from B cells derived from immunoreactive rabbits. Then, these genes undergo amplification and are cloned into phage vectors, which are subsequently introduced into mammalian cell lines to facilitate the generation of functional antibodies. The resulting BDNF recombinant monoclonal antibody is purified from the culture supernatant of the transfected cell lines through affinity chromatography. This



antibody shows good results in the detection of human and mouse BDNF proteins in ELISA and WB applications.

BDNF is a crucial neurotrophic factor that supports the growth, survival, and plasticity of neurons. Its functions extend to various aspects of brain health, including neurodevelopment, synaptic plasticity, mood regulation, learning and memory, and recovery from neurological injuries. Maintaining optimal BDNF levels is essential for overall brain function and mental well-being.