

## 39-2028: Anti-BDNF Polyclonal Antibody

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Human, Mouse, Rat
<b>Gene :</b>	BDNF
<b>Gene ID :</b>	627
<b>Uniprot ID :</b>	P23560
<b>Format :</b>	Lyophilized
<b>Alternative Name :</b>	Brain-derived neurotrophic factor; BDNF; Abrineurin; BDNF
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	A synthetic peptide corresponding to a sequence at the N-terminal of human BDNF(129-148aa HSDPARRGELSVCDISEWV), identical to the related rat and mouse sequences.

### Description

Brain derived neurotrophic factor(BDNF) is a member of the neurotrophin family of growth factors that includes NGF, NT3, and NT4. BDNF is a prosurvival factor induced by cortical neurons that is necessary for survival of striatal neurons in the brain. BDNF is expressed within peripheral ganglia and is not restricted to neuronal target fields. BDNF has been purified and shown to reduce the amount of naturally occurring neuronal cell death in portions of the peripheral nervous system.

### Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Immunogen affinity purified.
<b>Content :</b>	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> . Reconstitute : Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
<b>Storage condition :</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

### Application Note

Western blot : 0.1-0.5µg/ml

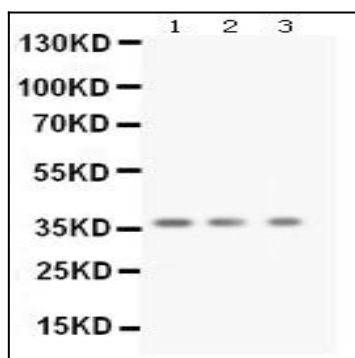


Figure 1: Anti-BDNF antibody(39-2028). Western blotting: Lanes: Anti BDNF(39-2028) at 0.5ug/ml, Lane 1: Rat Brain Tissue Lysate at 50ug, Lane 2: Mouse Brain Tissue Lysate at 50ug, Lane 3: MCF-7 Whole Cell Lysate at 40ug. Predicted band size: 28 kDa. Observed band size: 37 kDa.