

## Anti-BDNF Rabbit Monoclonal Antibody

### Introduction

Neurotrophins function to regulate naturally occurring cell death of neurons during development. The prototype neurotrophin is nerve growth factor (NGF), originally discovered in the 1950s as a soluble peptide promoting the survival of, and neurite outgrowth from, sympathetic ganglia. Three additional structurally homologous neurotrophic factors have been identified. These include brain-derived neurotrophic factor (BDNF), neurotrophin-3 (NT-3) and neurotrophin-4 (NT-4) (also designated NT-5).

### Product parameters

|                   |   |
|-------------------|---|
| Alternative Names | BDNF; MGC34632; Abrineurin; ANON2; Brain Derived Neurotrophic Factor; Neurotrophin; BULN2         |
| Gene ID           | 627   |
| Gene Name         | BDNF  |
| SwissProt ID      | P23560  |
| Host              | Rabbit  |
| Reactivity        | Human, Mouse, Rat   |
| Molecular Weight  | Calculated MW: 28 kDa   |
| Conjugation       | Unconjugated  |
| Ex                | -   |
| Em                | -   |
| Modification      | Unmodified  |
| Clonality         | IgG   |
| Isotype           | Monoclonal Antibody   |
| Clonality No.     | AP-16G7E3   |
| Form              | Liquid  |
| Concentration     | See label   |
| Carrier           | Carrier Free  |
| Immunogen         | A synthesized peptide derived from human BDNF   |
| Purification      | Affinity Chromatography   |
| Buffer System     | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Application       | WB, IHC-P, ICC/IF   |
| Dilution Ratio    | WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200   |
| Research Field    | Neuroscience  |

|                    |                                  |
|--------------------|----------------------------------|
| Product Categories | Primary antibody                 |
| Shipping           | Blue ice                         |
| Storage            | -20°C                            |
| Expiration Date    | 12 months                        |
| Note               | Please avoid freeze-thaw cycles. |



## Protocol

Configure the product according to the application range and recommended dilution ratio.

**\*Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

## Note

1. This product is for scientific research use only.



**APExBIO Technology**

**[www.apexbt.com](http://www.apexbt.com)**

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: [info@apexbt.com](mailto:info@apexbt.com)

