

## Anti-Bcr Rabbit Monoclonal Antibody

### Introduction

A reciprocal translocation between chromosomes 22 and 9 produces the Philadelphia chromosome, which is often found in patients with chronic myelogenous leukemia. The chromosome 22 breakpoint for this translocation is located within the BCR gene. The translocation produces a fusion protein which is encoded by sequence from both BCR and ABL, the gene at the chromosome 9 breakpoint. Although the BCR-ABL fusion protein has been extensively studied, the function of the normal BCR gene product is not clear. The unregulated tyrosine kinase activity of BCR-ABL1 contributes to the immortality of leukaemic cells. The BCR protein has serine/threonine kinase activity and is a GTPase-activating protein for p21rac and other kinases. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2020]

### Product parameters

|                   |   |
|-------------------|---|
| Alternative Names | ALL; CML; PHL; BCR1; D22S11; D22S662  |
| Gene ID           | 613   |
| Gene Name         | BCR   |
| SwissProt ID      | P11274  |
| Host              | Rabbit  |
| Reactivity        | Human, Rat  |
| Molecular Weight  | Calculated MW: 143 kDa; Observed MW: 160 kDa  |
| Conjugation       | Unconjugated  |
| Ex                | -   |
| Em                | -   |
| Modification      | Unmodified  |
| Clonality         | IgG   |
| Isotype           | Monoclonal Antibody   |
| Clonality No.     | AP-6C4C10   |
| Form              | Liquid  |
| Concentration     | See label   |
| Carrier           | Carrier Not Free  |
| Immunogen         | A synthetic peptide of human Bcr  |
| Purification      | Affinity Purified   |
| Buffer System     | 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA. |

|                    |   |
|--------------------|---|
| Application        | WB, IHC-P, IP                             |
| Dilution Ratio     | WB: 1/500-1/1000 IHC: 1/50-1/100 IP: 1/20 |
| Research Field     | Signal Transduction                       |
| 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)

