


Product datasheet

Anti-Bcr (phospho Y177) antibody [EPR576(2)Y] ab68216

Recombinant RabMAb

2 Images

Overview

| | |
|----------------------------|--|
| Product name | Anti-Bcr (phospho Y177) antibody [EPR576(2)Y] |
| Description | Rabbit monoclonal [EPR576(2)Y] to Bcr (phospho Y177) |
| Host species | Rabbit |
| Tested applications | Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP |
| Species reactivity | Reacts with: Mouse Predicted to work with: Human  |
| Immunogen | Synthetic peptide within Human Bcr (phospho Y177). The exact sequence is proprietary. |
| Positive control | 3T3 cell lysates |
| General notes | <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p> |

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| Storage buffer | pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant |
| Purity | Protein A purified |

| | |
|---------------------|------------|
| Clonality | Monoclonal |
| Clone number | EPR576(2)Y |
| Isotype | IgG |

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab68216 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|-------|
| WB | | |

Application notes

WB: 1/1000 - 1/2000. Detects a band of approximately 153 kDa (predicted molecular weight: 143 kDa).

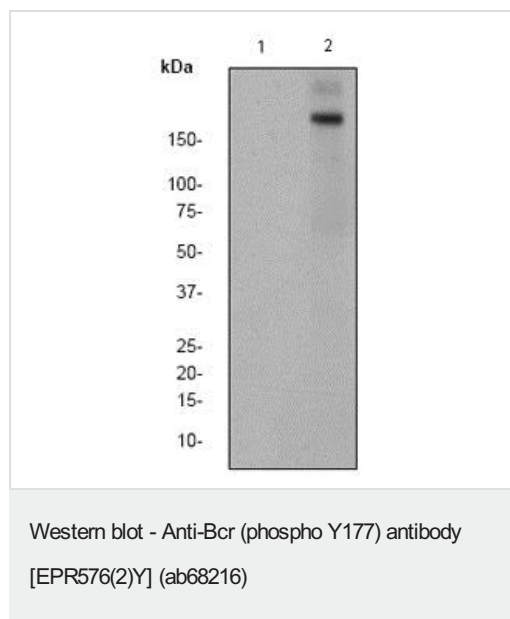
Is unsuitable for Flow Cyt, ICC, IHC-P or IP.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Target

| | |
|---|---|
| Function | GTPase-activating protein for RAC1 and CDC42. Promotes the exchange of RAC or CDC42-bound GDP by GTP, thereby activating them. Displays serine/threonine kinase activity. |
| Involvement in disease | Note=A chromosomal aberration involving BCR is a cause of chronic myeloid leukemia. Translocation t(9;22)(q34;q11) with ABL1. The translocation produces a BCR-ABL found also in acute myeloid leukemia (AML) and acute lymphoblastic leukemia (ALL). |
| Sequence similarities | Contains 1 C2 domain. Contains 1 DH (DBL-homology) domain. Contains 1 PH domain. Contains 1 Rho-GAP domain. |
| Domain | The region involved in binding to ABL1 SH2-domain is rich in serine residues and needs to be Ser/Thr phosphorylated prior to SH2 binding. This region is essential for the activation of the ABL1 tyrosine kinase and transforming potential of the chimeric BCR-ABL oncogene. The DH domain is involved in interaction with CCPG1. |
| Post-translational modifications | Autophosphorylated. Phosphorylated by FES/FPS on tyrosine residues, leading to down-regulation of the BCR kinase activity. Phosphorylation at Tyr-177 by HCK is important for interaction with GRB2. |

Images



All lanes : Anti-Bcr (phospho Y177) antibody [EPR576(2)Y] (ab68216) at 1/1000 dilution

Lane 1 : 3T3 cell lysate, membrane un-treated

Lane 2 : 3T3 cell lysate, membrane treated with pervanadate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 143 kDa

Observed band size: 153 kDa

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-Bcr (phospho Y177) antibody [EPR576(2)Y] (ab68216)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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