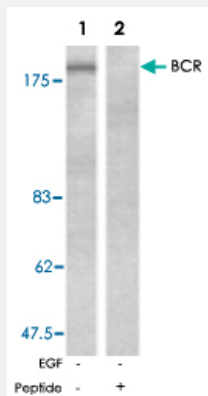


BCR polyclonal antibody

Catalog # PAB5270

Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from A-431 cells, untreated or EGF-treated (200 ng/ml, 30 min), using BCR polyclonal antibody (Cat # PAB5270) .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of BCR.
Immunogen	A synthetic peptide corresponding to residues surrounding Y177 of human BCR.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from A-431 cells, untreated or EGF-treated (200 ng/ml, 30 min), using BCR polyclonal antibody (Cat # PAB5270).

Gene Info — BCR

Entrez GeneID	613
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Gene Name	BCR
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Gene Alias	ALL, BCR-ABL1, BCR1, CML, D22S11, D22S662, FLJ16453, PHL
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Gene Description	breakpoint cluster region
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Omim ID	151410 608232
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Gene Ontology	Hyperlink
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Gene Summary	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 protein has serine/threonine kinase activity and is a GTPase-activating protein for p21rac. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
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Other Designations	bcr-abl1 e14a3 chimeric protein
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Publication Reference

- [A direct binding site for Grb2 contributes to transformation and leukemogenesis by the Tel-Abl \(ETV6-Abl\) tyrosine kinase.](#)

Million RP, Harakawa N, Roumiantsev S, Varticovski L, Van Etten RA.

Molecular and Cellular Biology 2004 Jun; 24(11):4685.

Application: WB-Tr, Human, HEK 293T cells, primary bone marrow mononuclear cells

- [Tyrosine phosphorylation of Grb2 by Bcr/Abl and epidermal growth factor receptor: a novel regulatory mechanism for tyrosine kinase signaling.](#)

Li S, Couvillon AD, Brasher BB, Van Etten RA.

The EMBO Journal 2001 Dec; 20(23):6793.

Application: IP, Human, HEK 293T cells

- [BCR/ABL directly inhibits expression of SHIP, an SH2-containing polyinositol-5-phosphatase involved in the regulation of hematopoiesis.](#)

Sattler M, Verma S, Byrne CH, Shrikhande G, Winkler T, Algate PA, Rohrschneider LR, Griffin JD.

Molecular and Cellular Biology 1999 Nov; 19(11):7473.

Pathway

- [Chronic myeloid leukemia](#)
- [Pathways in cancer](#)

Disease

- [Alzheimer disease](#)
- [Angina Pectoris](#)
- [Bipolar Disorder](#)
- [Brief Psychiatric Rating Scale](#)
- [Chromosome Breakage](#)
- [Coronary Vasospasm](#)
- [Depressive Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)
- [Small Cell Lung Carcinoma](#)

- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)