

Datasheet for ABIN4886483
anti-BCR antibody (AA 1-100)



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1 Image

Overview

Quantity:	100 µg
Target:	BCR
Binding Specificity:	AA 1-100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BCR antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-Bcr Antibody Picoband®
Immunogen:	E.coli-derived human Bcr recombinant protein (Position: M1-A100). Human Bcr shares 94% amino acid (aa) sequence identity with mouse Bcr.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Bcr Antibody Picoband® (ABIN4886483). Tested in Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: BCR

Alternative Name: BCR ([BCR Products](#))

Background: Synonyms: Breakpoint cluster region protein,2.7.11.1, Renal carcinoma antigen NY-REN-26,BCR,BCR1, D22S11,
Tissue Specificity: Ubiquitous, with higher levels in heart, substantia nigra, and kidney. .
Background: The breakpoint cluster region protein (BCR) is a protein that in humans is encoded by the BCR gene. 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.

Molecular Weight: 143 kDa

Gene ID: 613

UniProt: [P11274](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Platelet-derived growth Factor Receptor Signaling](#)

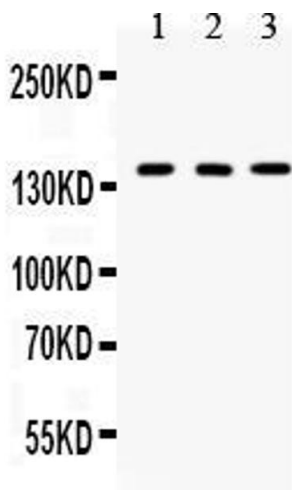
Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat
Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human
Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human
1. "Entrez Gene: Breakpoint cluster region". 2. Puil L, Liu J, Gish G, Mbamalu G, Bowtell D, Pelicci PG, Arlinghaus R, Pawson T (February 1994). "Bcr-Abl oncoproteins bind ly to activators of the Ras signalling pathway". EMBO J. 13 (4): 764-73. 3. Pendergast AM, Muller AJ, Havlik MH, Maru Y, Witte ON (July 1991). "BCR sequences essential for transformation by the BCR-ABL oncogene bind to the ABL SH2 regulatory domain in a non-phosphotyrosine-dependent manner". Cell 66 (1): 161-71.

Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of Bcr expression in mouse testis extract (Lane 1), NRK whole cell lysates (Lane 2) and JURKAT whole cell lysates (Lane 3). Bcr at 143KD was detected using rabbit anti- Bcr Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).