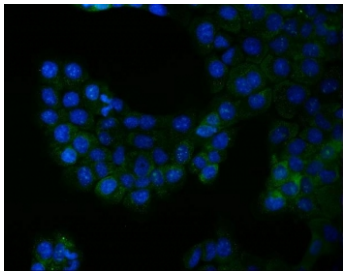
BCR Antibody / Breakpoint cluster region protein (R32473)

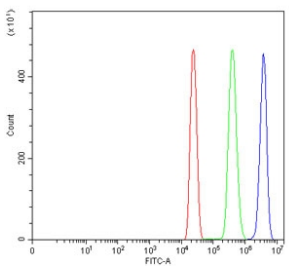
Catalog No.	Formulation	Size
R32473	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

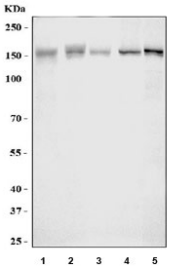
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P11274
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This BCR antibody is available for research use only.



Immunofluorescent staining of FFPE human A431 cells with BCR antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of human HL60 cells with BCR antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= BCR antibody.



Western blot testing of 1) human K562, 2) human 293T, 3) human HepG2, 4) rat brain and 5) mouse brain lysate with BCR antibody at 0.5ug/ml. Expected molecular weight: 130-190 kDa (multiple isoforms).

Description

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.

Application Notes

Optimal dilution of the BCR antibody should be determined by the researcher.

Immunogen

Amino acids M1-A100 from the human protein were used as the immunogen for the BCR antibody.

Storage

Prior to reconstitution, store at 4oC. After reconstitution, the BCR antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com