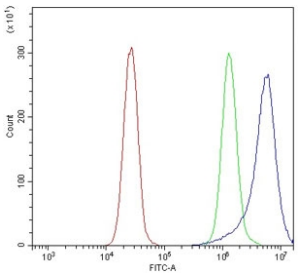
Breakpoint cluster region protein Antibody / BCR (RQ6452)

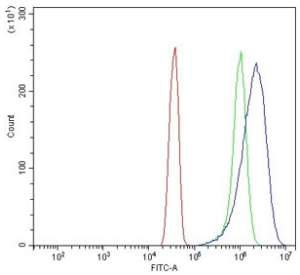
Catalog No.	Formulation	Size
RQ6452	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

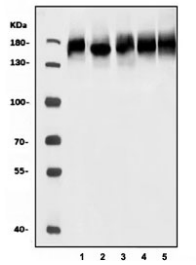
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P11274
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Breakpoint cluster region protein antibody is available for research use only.



Flow cytometry testing of human K562 cells with Breakpoint cluster region protein antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Breakpoint cluster region protein antibody.



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



Western blot testing of 1) human Jurkat, 2) human K562, 3) human HEK293, 4) rat brain and 5) mouse brain tissue lysate with Breakpoint cluster region protein antibody. 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 Breakpoint cluster region protein antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids D3-N264) was used as the immunogen for the Breakpoint cluster region protein antibody.

Storage

After reconstitution, the Breakpoint cluster region protein 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
Copyright © NSJ Bioreagents. All rights reserved.