

Bcr Antibody (Y177)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AE1006a

Specification

Bcr Antibody (Y177) - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Concentration
Isotype

WB
P11274
Human, Mouse
Rabbit
Polyclonal
1mg/ml
Rabbit IgG
142819

Bcr Antibody (Y177) - Additional Information

Gene ID 613

Calculated MW

Other Names

Breakpoint cluster region protein, Renal carcinoma antigen NY-REN-26, BCR, BCR1, D22S11

Target/Specificity

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Dilution

WB~~1:500~1:1000

Format

affinity Purified IgG, in PBS, 0.02% sodium azide and 50% glycerol.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Bcr Antibody (Y177) is for research use only and not for use in diagnostic or therapeutic procedures.

Bcr Antibody (Y177) - Protein Information

Name BCR (HGNC:1014)

Synonyms BCR1, D22S11

Function



Protein with a unique structure having two opposing regulatory activities toward small GTP-binding proteins. The C-terminus is a GTPase-activating protein (GAP) domain which stimulates GTP hydrolysis by RAC1, RAC2 and CDC42. Accelerates the intrinsic rate of GTP hydrolysis of RAC1 or CDC42, leading to down-regulation of the active GTP-bound form (PubMed:17116687, PubMed:1903516, PubMed:7479768). The central Dbl homology (DH) domain functions as quanine nucleotide exchange factor (GEF) that modulates the GTPases CDC42, RHOA and RAC1. Promotes the conversion of CDC42, RHOA and RAC1 from the GDP-bound to the GTP-bound form (PubMed: 23940119, PubMed:7479768). The amino terminus contains an intrinsic kinase activity (PubMed:1657398). Functions as an important negative regulator of neuronal RAC1 activity (By similarity). Regulates macrophage functions such as CSF1-directed motility and phagocytosis through the modulation of RAC1 activity (PubMed:17116687). Plays a major role as a RHOA GEF in keratinocytes being involved in focal adhesion formation and keratinocyte differentiation (PubMed:23940119).

Cellular Location

Postsynaptic density {ECO:0000250|UniProtKB:Q6PAJ1}. Cell projection, dendritic spine {ECO:0000250|UniProtKB:Q6PAJ1}. Cell projection, axon {ECO:0000250|UniProtKB:Q6PAJ1}. Synapse {ECO:0000250|UniProtKB:F1LXF1}

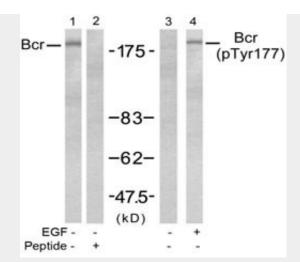
Bcr Antibody (Y177) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Bcr Antibody (Y177) - Images





Western blot analysis of extract from A431 cells, untreated or treated with EGF (200ng/ml, 5min), using Bcr Antibody (Y177) (#AE1006a, Lane 1 and 2) and Phospho-Bcr-Y177 Antibody (#AE1006b, Lane 3 and 4).