

Rabbit anti-Human, Mouse Bcr Polyclonal Antibody | anti-Bcr antibody

Phospho-Bcr (Tyr177) Antibody

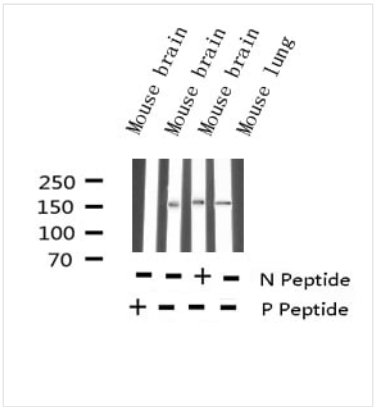
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321512	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

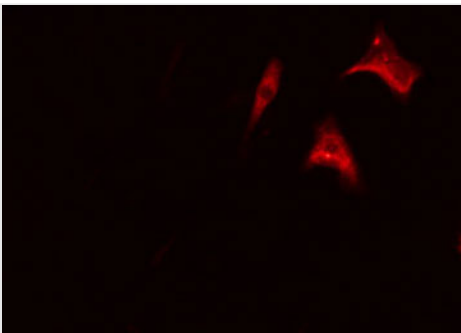
Bcr; Polyclonal Antibody; Phospho-Bcr (Tyr177) Antibody; ALL; bcr; BCR/ABL FUSION GENE; INCLUDED; BCR/FGFR1 chimera protein; BCR/FGFR1 FUSION GENE; BCR/PDGFR FUSION GENE; BCR_HUMAN; BCR1; Breakpoint cluster region; Breakpoint cluster region protein; CML; D22S11; D22S662; FGFR1/BCR chimera protein; PHL; Renal carcinoma antigen NY-REN-26; anti-Bcr antibody

PRODUCT SPECIFICATIONS

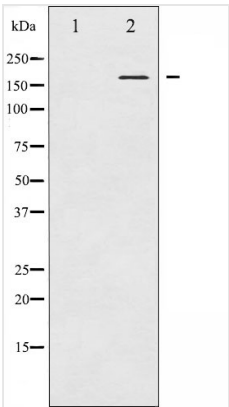
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-Bcr (Tyr177) antibody detects endogenous levels of Bcr only when phosphorylated at Tyrosine 177
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1271
Applicable Applications for anti-Bcr antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Bcr around the phosphorylation site of Tyrosine 177
Subcellular Location	Plasma Membrane
Predicted Cross Reactivity	Zebrafish, Chicken
Similarity	Zebrafish (89%), Chicken (89%)
Conjugation	Unconjugated
Epitope	Phospho Tyr177
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of Phospho-Bcr (Tyr177) expression in various lysates



IF (Immunofluorescence)
AAA321512 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of Bcr phosphorylation expression in K562 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-Bcr antibody	Description: Bcr is a serine/threonine and GTPase-activating protein (GAP). breakpoint cluster region protein. GTPase-activating protein for RAC1 and CDC42. Promotes the exchange of RAC or CDC42-bound GDP by GTP, thereby activating them. Function: GTPase-activating protein for RAC1 and CDC42. Promotes the exchange of RAC or CDC42-bound GDP by GTP, thereby activating them. Displays serine/threonine kinase activity. Subunit Structure: Homotetramer. Interacts with PDZK1. May interact with CCPG1 (By similarity). Interacts with FES/FPS, ABL1, PIK3R1 and GRB2. Interacts with HCK. Interacts with SH2D5 (PubMed:25331951). Post-translational Modifications: Autophosphorylated. Phosphorylated by FES/FPS on tyrosine residues, leading to down-regulation of the BCR kinase activity. Phosphorylation at Tyr-177 by HCK is important for interaction with GRB2. Similarity: The region involved in binding to ABL1 SH2-domain is rich in serine residues and needs to be Ser/Thr phosphorylated prior to SH2 binding. This region is essential for the activation of the ABL1 tyrosine kinase and transforming potential of the chimeric BCR-ABL oncogene.The DH domain is involved in interaction with CCPG1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	82546843
NCBI GeneID	613
NCBI Accession #	NP_004318.3
NCBI GenBank Nucleotide #	NM_004327.3

UniProt Accession #	P11274 ; P78501 ; Q12842 ; Q4LE80 ; Q6NZI3
Molecular Weight	Observed: 160 kDa Predicted: 143 kDa
NCBI Official Full Name	breakpoint cluster region protein isoform 1
NCBI Official Synonym Full Names	BCR, RhoGEF and GTPase activating protein
NCBI Official Symbol	BCR
NCBI Official Synonym Symbols	ALL; CML; PHL; BCR1; D22S11; D22S662
NCBI Protein Information	breakpoint cluster region protein
UniProt Protein Name	Breakpoint cluster region protein
UniProt Gene Name	BCR
UniProt Synonym Gene Names	BCR1; D22S11

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bcr-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321512>