

Rabbit Bcr Polyclonal Antibody | anti-Bcr antibody

Phospho-Bcr (Tyr360) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31008	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

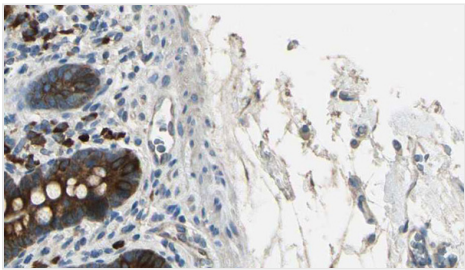
Bcr; Polyclonal Antibody; Phospho-Bcr (Tyr360) Antibody; ALL; bcr; BCR/ABL FUSION GENE; INCLUDED; BCR/FGFR1 chimera protein; BCR/FGFR1 FUSION GENE; BCR/PDGFR FUSION GENE; BCR_HUMAN; BCR1; Breakpoint cluster region; Breakpoint cluster region protein; CML; D22S11; D22S662; FGFR1/BCR chimera protein; PHL; Renal carcinoma antigen NY-REN-26; anti-Bcr antibody

PRODUCT SPECIFICATIONS

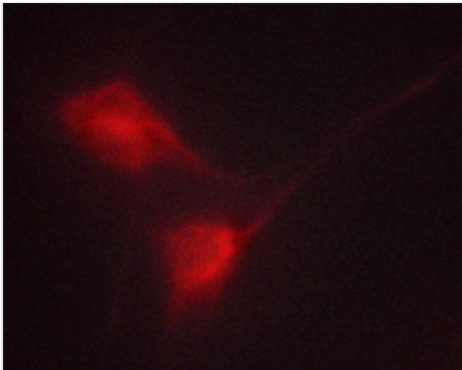
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-Bcr (Tyr360) antibody detects endogenous levels of Bcr only when phosphorylated at Tyrosine 360
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and 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	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF/ICC: 1:100-1:500
Immunogen	A synthesized peptide derived from human Bcr around the phosphorylation site of Tyrosine 360
Subcellular Location	Plasma Membrane
Predicted Cross Reactivity	Bovine, Horse, Dog, Chicken
Similarity	Bovine (89%), Horse (100%), Dog (100%), Chicken (89%)
Conjugation	Unconjugated
Epitope	Phospho Tyr360
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



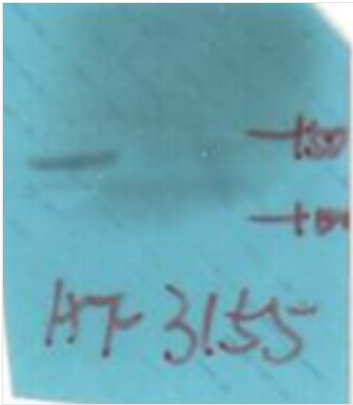
IF (Immunofluorescence)
AAA31008 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



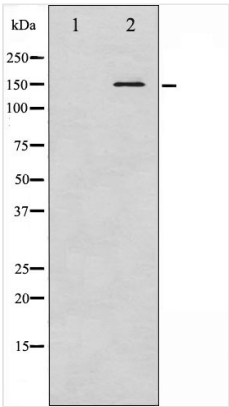
IHC (Immunohistochemistry)
AAA31008 at 1/100 staining Mouse intestine tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)
AAA31008 staining K562 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37 degree C. The primary antibody was diluted 1/400 and incubated with the sample for 1 hour at 37 degree C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.



WB (Western Blot)
Western blot analysis of Phospho-Bcr (Tyr360) Antibody expression in COS7 cells lysates. The lane on the right is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of Bcr phosphorylation expression in COS7 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: 142 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://www.aaabiotech.com/polyclonal/bcr-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/31008>