Rabbit Bcr Polyclonal Antibody | anti-Bcr antibody

Phospho-Bcr (Ser301) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328374	**Rabbit**	**Human, Mouse, RatPredicted: Horse, Rabbit, Dog**	**ELISA, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

Bcr; Polyclonal Antibody; Phospho-Bcr (Ser301) Antibody; ALL; bcr; BCR/ABL FUSION GENE; INCLUDED; BCR/FGFR1 chimera protein; BCR/FGFR1 FUSION GENE; BCR/PDGFRA 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 Predicted: Horse, Rabbit, Dog
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-Bcr (Ser301) Antibody detects endogenous levels of Bcr only when phosphorylated at Ser301.
Purity/Purification	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 (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Bcr around the phosphorylation site of Ser301.
Subcellular Location	Plasma Membrane
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

WB (Western Blot)
Western blot analysis of Phospho-Bcr (Ser301) in lysates of COS7, using Phospho-Bcr (Ser301) Antibody.

IHC (Immunohiostchemistry)
At 1/100 staining rat brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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

IHC (Immunohistochemistry)
At 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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

ADDITIONAL INFORMATION

Related Product Information for anti-Bcr antibody	Description: 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. 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. 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). 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	82546843
NCBI GeneID	613
NCBI Accession #	NP_004318.3
NCBI GenBank Nucleotide #	NP_004318.3
UniProt Accession #	P11274
Molecular Weight	Observed: 160 kDa Predicted: 143 kDa
NCBI Official Full Name	breakpoint cluster region protein isoform 1
NCBI Official Synonym Full Names	BCR activator of RhoGEF and GTPase
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
UniProt Entry Name	BCR_HUMAN

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-peptide-elisa-immunohistochemistry-western-blot-elisa/328374