

Bcr (Phospho Tyr177) Rabbit pAb

CatalogNo: YP0036

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 160kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000**ELISA 1:10000****Not yet tested in other applications.**

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human Bcr around the phosphorylation site of Tyr177. AA range:144-193

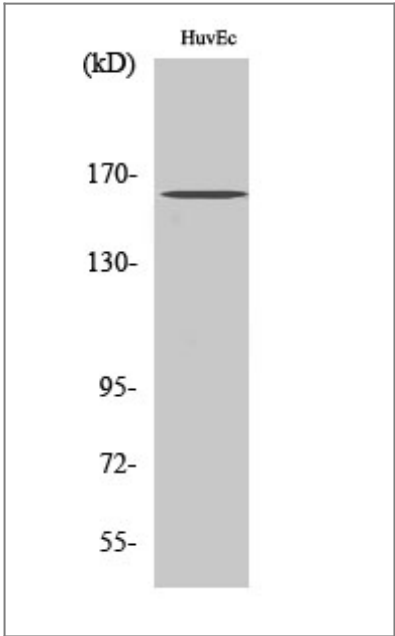
Specificity

Phospho-Bcr (Y177) Polyclonal Antibody detects endogenous levels of Bcr protein only when phosphorylated at Y177. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):PFyVN

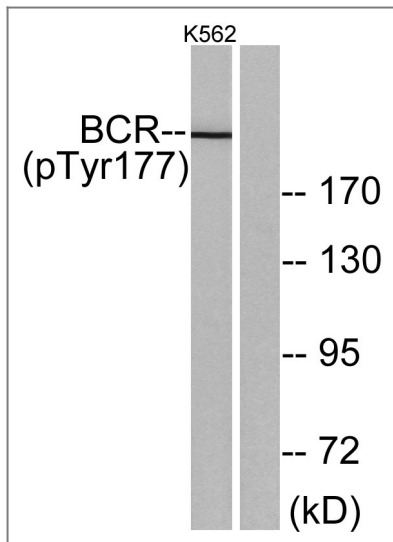
Target Information

Gene name	BCR		
Protein Name	Breakpoint cluster region protein		
	Organism	Gene ID	UniProt ID
	Human	613 ;	P11274 ;
	Mouse	110279 ;	Q6PAJ1 ;
Cellular Localization	Cell junction, synapse, postsynaptic density . Cell projection, dendritic spine . Cell projection, axon . Cell junction, synapse .		
Tissue specificity	Brain,Epithelium,Platelet,Renal cell carcinoma,T-cell,		
Function	Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,Disease:A chromosomal aberration involving BCR is a cause of chronic myeloid leukemia (CML) [MIM:608232]. Translocation t(9;22)(q34;q11) with ABL1. The translocation produces a BCR-ABL found also in acute myeloid leukemia (AML) and acute lymphoblastic leukemia (ALL).,Domain:The DH domain is involved in interaction with CCPG1.,Domain: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.,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.,PTM:Autophosphorylated.,similarity:Contains 1 C2 domain.,similarity:Contains 1 DH (DBL-homology) domain.,similarity:Contains 1 PH domain.,similarity:Contains 1 Rho-GAP domain.,subunit:Homotetramer. Interacts with PDZK1. May interact with CCPG1.,		

Validation Data



Western Blot analysis of various cells using Phospho-Bcr (Y177) Polyclonal Antibody



Western blot analysis of lysates from K562 cells, using Bcr (Phospho-Tyr177) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:

Bcr (Phospho Tyr177) Rabbit pAb

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