

AP55922PU-S**Polyclonal Antibody to BCR pTyr360 - Aff - Purified**

Alternate names:	BCR1, Breakpoint cluster region protein, D22S11, NY-REN-26, Renal carcinoma antigen NY-REN-26
Quantity:	50 µg
Concentration:	1.0 mg/ml
Background:	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.
Uniprot ID:	P11274
NCBI:	NP_004318.3
GeneID:	613
Host:	Rabbit
Immunogen:	Peptide sequence around phosphorylation site of tyrosine 360 (T-T-Y(p)-R-M) derived from Human Bcr (KLH-conjugated)
Format:	State: Liquid Ig fraction Purification: Affinity chromatography using epitope-specific peptide Buffer System: Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Applications:	Western blot: 1:500~1:1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	142 kDa
Specificity:	The antibody detects endogenous level of Bcr only when phosphorylated at tyrosine 360.
Species Reactivity:	Tested: Human, Mouse
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Perazzona B, Lin H, Sun T, Wang Y, Arlinghaus R. Kinase domain mutants of Bcr enhance Bcr-Abl oncogenic effects. <i>Oncogene</i> . 2008 Apr 3;27(15):2208-14. Epub 2007 Oct 15. PubMed PMID: 17934518. 2. Sun T, Campbell M, Gordon W, Arlinghaus RB. Preparation and application of antibodies to phosphoamino acid sequences. <i>Biopolymers</i> . 2001;60(1):61-75. PubMed PMID: 11376433. 3. Wu Y, Liu J, Arlinghaus RB. Requirement of two specific tyrosine residues for the catalytic activity of Bcr serine/threonine kinase. <i>Oncogene</i> . 1998 Jan 8;16(1):141-6. PubMed PMID: 9467953.

Pictures:

Western blot analysis of extracts from COS7 tissue using Bcr (Phospho-Tyr360) antibody AP55922PU-N. The lane on the right is treated with the antigen-specific peptide.

