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Product datasheet for AP02468PU-N

BCR pTyr177 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Suitable for use in Western blot (1/500-1/1000) and Immunohistochemistry on Paraffin-Embedded Sections (1/50-1/100).
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from Human Bcr around the phosphorylation site of Tyrosine 177 (P-F-Y*p*-V-N).
Specificity:	This antibody detects endogenous levels of Bcr only when phosphorylated at Tyrosine 177.
Formulation:	PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatogramphy using non-phosphopeptide corresponding to the phosphorylation site.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	BCR, RhoGEF and GTPase activating protein
Database Link:	Entrez Gene 613 Human P11274

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Background: The breakpoint cluster region protein (Bcr) is best know to be involved in genomic translocation with fusion partner Abl (Cbr-Abl) causing chronic myelogenous leukemia (CML). This 160 kDa protein contains a serine/threonine kinase domain, an SH2 binding domain, a GTP/GDP exchange domain and a C-term domain which functions as a GTPase activating protein for p21rac and CDC42. Additionally, Bcr is involved in signal transduction and can down regulate Ras mediated cell signaling.

Synonyms: Breakpoint cluster region protein, BCR1, D22S11, NY-REN-26

Note: Molecular Weight: 210 kDa

Product images:

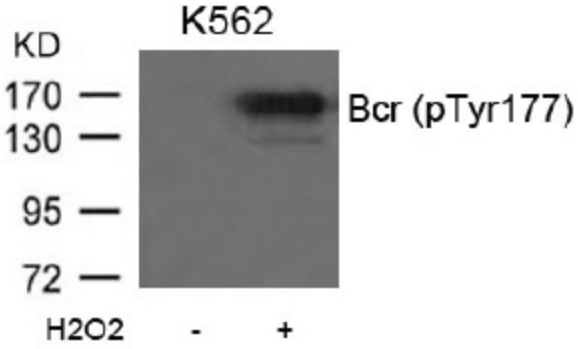

Figure 2. Western blot analysis of extract from K562 cells, untreated or treated with H2O2 using Bcr antibody (phospho-Tyr177)

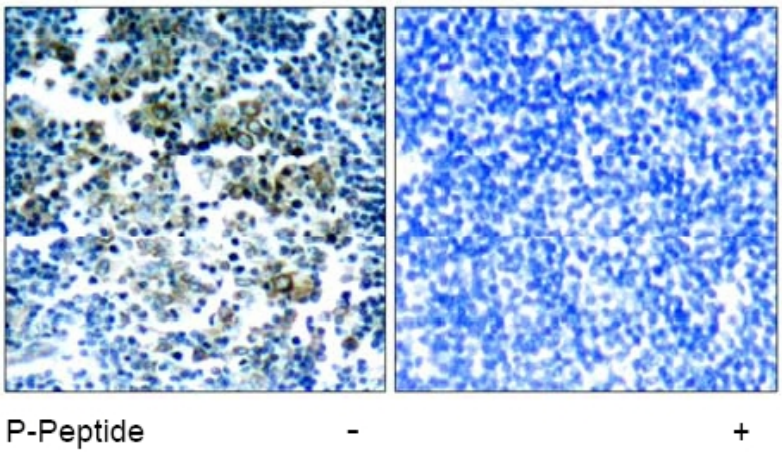

Figure 1. Immunohistochemical analysis of paraffin-embedded human tonsil tumor tissue, using Bcr antibody (phospho-Tyr177)

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