

DESCRIPTION

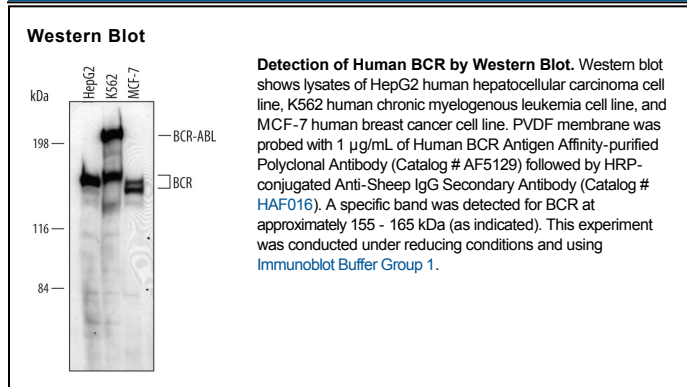
Species Reactivity	Human
Specificity	Detects human BCR in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human BCR Lys174-Asp331 Accession # P11274
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

BCR (Breakpoint cluster region protein) is a novel 155-165 kDa Ser/Thr protein kinase. It is found in fibroblasts and hematopoietic cells, interacts with 14-3-3, and serves as a natural inhibitor of the growth factor-associated c-Abl nonreceptor protein tyrosine kinase. Human BCR is 1271 amino acids (aa) in length. It contains a coiled-coil dimerization motif (aa 28-68), a Ser/Thr kinase region (aa 176-426), one DH domain (aa 498-691) and a Rho-Gap region (aa 1054-1248). The N-terminal aa 1-902 and 1-927 are known to contribute to the BCR-ABL oncoprotein. BCR likely forms homodimers and 650 kDa homotetramers. An alternate start site exists at Met498, while other isoforms show a deletion of aa 961-1004, plus a 61 and 37 aa substitution for aa 1-488. Over aa 1-426, human BCR is 89% aa identical to mouse BCR.