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Rabbit Anti-Bcr/AF350 Conjugated antibody

SL2747R-AF350

Product Name	Anti-Bcr/AF350
Chinese Name	AF350 标记的 Bcr 抗体
Alias	ALL; BCR 1; BCR/ABL FUSION GENE INCLUDED; BCR/FGFR1 FUSION GENE INCLUDED; BCR/PDGFRA FUSION GENE INCLUDED; BCR1; breakpoint cluster region; CML; PHL; BCR_HUMAN.
Research Area	immunology The cell membrane 受体
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse,Rat(predicted:Human,Chicken,Dog,Cow,Horse,Rabbit)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	143kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Bcr (1225-1271aa)
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**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.

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.

Subunit:
Homotetramer. Interacts with PDZK1. May interact with CCPG1. Interacts with FES/FPS, ABL1, PIK3R1 and GRB2. Interacts with HCK.

Subcellular Location:
Cytoplasm.

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.

DISEASE:
Note=A chromosomal aberration involving BCR is a cause of chronic myeloid leukemia. 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).

Similarity:
Contains 1 C2 domain.
Contains 1 DH (DBL-homology) domain.
Contains 1 PH domain.
Contains 1 Rho-GAP domain.

Database links:

Entrez Gene: 613 Human

Omim: 151410 Human

SwissProt: P11274 Human

Unigene: 517461 Human

Unigene: 715409 Human

Important Note:

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