ABL1 (phospho-Y204) polyclonal antibody

Catalog: BS4465 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

The Abl oncogene was initially identified as the viral transforming gene of Abelson murine leukemia virus (A-MuLV). The major translational product of c-Abl has been identified as a protein with tyrosine kinase activity and an SH2 domain. The Abl oncogene is implicated in several human leukemias including 90-95% of chronic myelocytic leukemia (CML), 20-25% of adult acute lymphoblastic leukemia (ALL) and 2-5% of pediatric ALL. In these leukemias the c-Abl proto-oncogene undergoes a (9;22) chromosomal translocation producing the Philadelphia (Ph1) chromosome. The molecular consequence of this translocation is the generation of a chimeric Bcr/c-Abl mRNA encoding activated Abl protein-tyrosine kinase. The Bcr gene has been shown to encode a GTPase-activating protein (GAP) specific for the Ras-related GTP-binding protein, p21rac.

Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

Molecular Weight:

~ 123 kDa

Swiss-Prot:

P00519

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

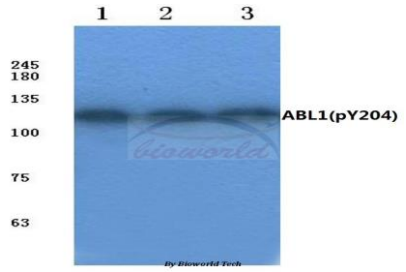
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

p-ABL1 (Y204) polyclonal antibody detects endogenous levels of ABL1 only when phosphorylated at Tyr204.

DATA:

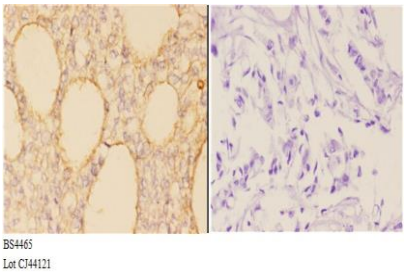


Western blot (WB) analysis of p-ABL1 (Y204) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate treated with colchicine

Lane2:Mouse kidney tissue lysate

Lane3:PC12 cell lysate treated with colchicine



Immunohistochemistry (IHC) analyzes of ABL1 (phospho-Y204) pAb in paraffin-embedded human breast carcinoma tissue at 1:50,showing cytoplasmic and nuclear staining.Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

For research use only, not for use in diagnostic procedure.

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