

Product datasheet for **TA373162**

c Abl (ABL1) Rabbit Polyclonal Antibody

Product data:

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|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | WB,1:500 - 1:2000 IHC,1:50 - 1:200 |
| Reactivity: | Human, Mouse, Rat |
| Modifications: | Phospho Y245 |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | A phospho specific peptide corresponding to residues surrounding Y245 of human ABL1 |
| Formulation: | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| Concentration: | lot specific |
| Purification: | Affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C. Avoid freeze / thaw cycles. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 122kDa/124kDa |
| Gene Name: | ABL proto-oncogene 1, non-receptor tyrosine kinase |
| Database Link: | Entrez Gene 25 Human P00519 |



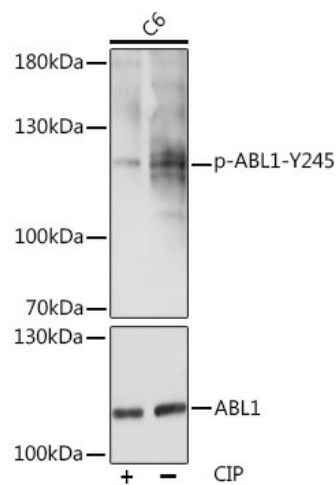
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Background:

This gene is a protooncogene that encodes a protein tyrosine kinase involved in a variety of cellular processes, including cell division, adhesion, differentiation, and response to stress. The activity of the protein is negatively regulated by its SH3 domain, whereby deletion of the region encoding this domain results in an oncogene. The ubiquitously expressed protein has DNA-binding activity that is regulated by CDC2-mediated phosphorylation, suggesting a cell cycle function. This gene has been found fused to a variety of translocation partner genes in various leukemias, most notably the t(9;22) translocation that results in a fusion with the 5' end of the breakpoint cluster region gene (BCR; MIM:151410). Alternative splicing of this gene results in two transcript variants, which contain alternative first exons that are spliced to the remaining common exons.

Synonyms:

ABL; bcr/abl; c-ABL; JTK7; p150; v-abl

Product images:

Western blot analysis of extracts of C6 cells, using Phospho-ABL1-Y245 pAb (TA373162) at 1:1000 dilution or ABL1 antibody (A0282). C6 cells were treated by CIP(20uL/400ul) at 37°C for 1 hour. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% BSA. | Detection: ECL Basic Kit. | Exposure time: 3S.