



**Category: Monoclonal Antibodies Cat. #: MAB-606020429**  
**Product Name: Mouse Monoclonal Antibody to ABL2**

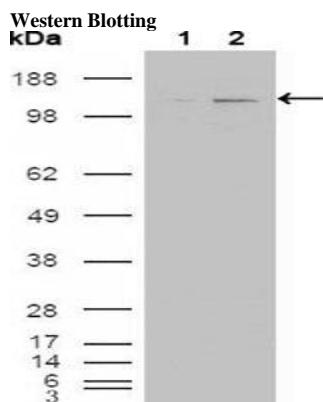


Figure 1: Western blot analysis using ABL2 mouse mAb against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY ABL2 cDNA (2).

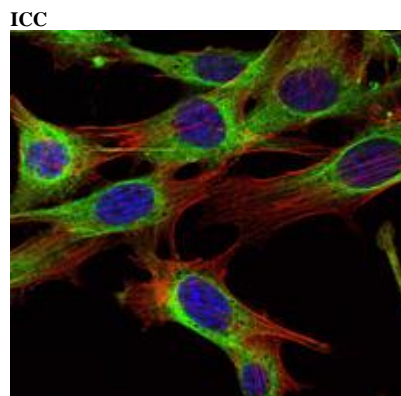


Figure 2: Immunofluorescence analysis of NIH/3T3 cells using ABL2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Lot#:  
Clone#: 1H1  
Host and isotype: Mouse IgG1  
Size: 0.1ml  
MW: 128kDa  
Aliases: ARG; ABLL; FLJ22224; FLJ31718; FLJ41441  
Entrez Gene: 27  
Species reactivity: Human; Mouse

#### Description

ABL2 (ARG, Abl-related gene), together with c-Abl, forms the Abl family of mammalian non-receptor tyrosine kinases. ABL2 and c-Abl share 89%, 90 and 93% identity in their SH3, SH2 and tyrosine domain, but only 29% identity in the carboxy-terminal half. The human c-Abl and ABL2 genes are expressed ubiquitously. ABL2 had been detected predominantly in the cytoplasm, whereas c-Abl shows both cytoplasmic and nuclear localization. c-Abl is involved in two different chromosomal translocations present in human leukemias, which generate Bcr-Abl and TEL-Abl. Recently, TEL-ARG fusion transcripts have also been identified in acute myeloid leukemias (AML). The Abl family kinases may also interact with receptor tyrosine signaling pathways and regulate cellular function such as cell cycle progression, gene transcription and organization of the actin cytoskeletons in neurons.

#### Immunogen

Purified recombinant fragment of ABL2 expressed in E. Coli.

#### Applications

Western Blotting: 1/500 - 1/2000.

Immunofluorescence: 1/200 - 1/1000.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

#### Formulation

Ascitic fluid containing 0.03% sodium azide.

#### Storage

Store at 4°C, for long term storage, store at -20°C.

#### Related product

#### References

1. Yoshimi I, Takashi I, Tsuneyuki O, et al. Blood. 2000; 95(6): 2126-2131.
2. Scheijen, B. and Griffin, J.D. Oncogene. 2002; 21: 3314-33.

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