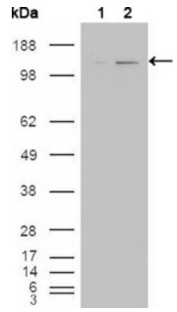
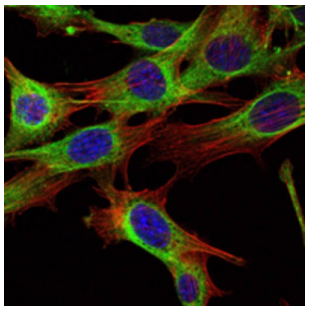
Abelson Tyrosine-Protein Kinase 2 (ABL2) Antibody

Catalogue No.:abx015718



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



Immunofluorescence analysis of NIH/3T3 cells using ABL2 antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with AF555 phalloidin.

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.

Target:	Abelson Tyrosine-Protein Kinase 2 (ABL2)
Clonality:	Monoclonal
Reactivity:	Human, Mouse
Tested Applications:	ELISA, IF/ICC
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of ABL2 expressed in E. coli.

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com

Isotype:	IgG_1
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P42684 (UniProt, ExPASy)
Gene Symbol:	ABL2
GeneID:	27
KEGG:	hsa:27
String:	9606.ENSP00000427562
Enzyme Commission Number:	EC 2.7.10.2
Molecular Weight:	128 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com