Datasheet for ABIN969389

anti-RUNX1 antibody

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Overview

Quantity:	100 µL
Target:	RUNX1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RUNX1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Purpose:	RUNX1 Antibody
Immunogen:	Synthesized peptide of human RUNX1.
Clone:	5A1
Isotype:	IgG1
Purification:	Ascitic fluid

Target Details

Target:	RUNX1
Alternative Name:	RUNX1 (RUNX1 Products)
Background:	Description: Core binding factor (CBF) is a heterodimeric transcription factor that binds to the core element of many enhancers and promoters. The protein encoded by this gene represents

Target Details

	the alpha subunit of CBF and is thought to be involved in the development of normal hematopoiesis. Chromosomal translocations involving this gene are well-documented and have been associated with several types of leukemia. Three transcript variants encoding different isoforms have been found for this gene. (provided by RefSeq) Tissue specificity: Expressed in all tissues examined except brain and heart. Highest levels in thymus, bone marrow and peripheral blood. Aliases: AML1, CBFA2, EVI-1, AMLCR1, PEBP2aB, AML1-EVI-1, RUNX1
Molecular Weight:	55kDa
Gene ID:	861
HGNC:	861
UniProt:	Q01196

Application Details

Application Notes:	ELISA: 1/10000 ICC: 1/200 - 1/1000
Restrictions:	For Research Use only

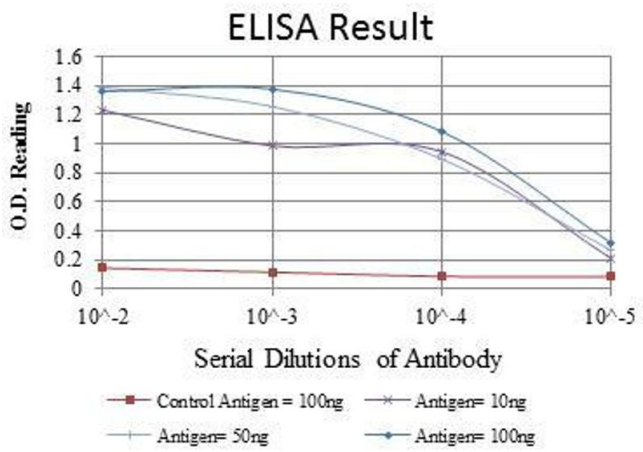
Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Publications

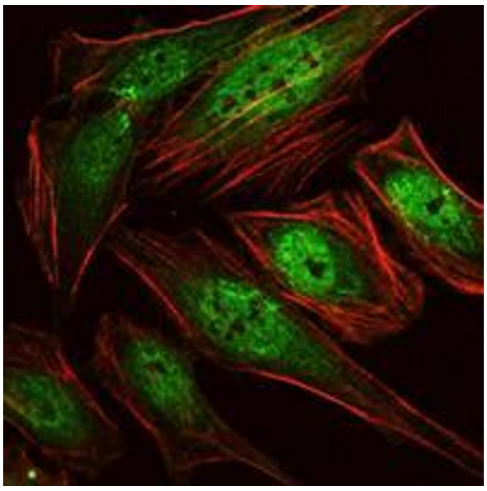
Product cited in:	Zharlyganova, Harada, Harada, Shinkarev, Zhumadilov, Zhunusova, Tchaizhunusova, Apsalikov, Kemaikin, Zhumadilov, Kawano, Kimura, Hoshi: "High frequency of AML1/RUNX1 point mutations in radiation-associated myelodysplastic syndrome around Semipalatinsk nuclear test site." in: **Journal of radiation research**, Vol. 49, Issue 5, pp. 549-55, (2008) (PubMed).

Images



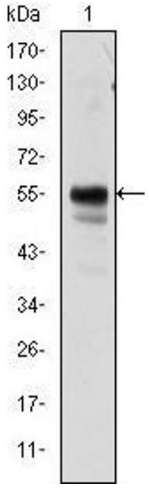
ELISA

Image 1. Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),



Immunofluorescence

Image 2. Immunofluorescence analysis of Hela cells using RUNX1 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Western Blotting

Image 3. Western blot analysis using RUNX1 mouse mAb against Jurkat cell lysate.