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Datasheet for ABIN6255152 anti-RUNX1 antibody (pSer276)

3 Images



Overview

Quantity:	100 µL
Target:	RUNX1
Binding Specificity:	pSer276
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RUNX1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human RUNX1 / AML1 around the phosphorylation site of Ser276.
lsotype:	lgG
Specificity:	Phospho-RUNX1 / AML1 (Ser276) Antibody detects endogenous levels of RUNX1 / AML1 only when phosphorylated at Serine 276.
Predicted Reactivity:	Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

rurget D		
Target:	RUNX1	
	Order at www.antibodies-online.com www.antikoerper-online.de www.anticorps-enligne.fr www.antibodies-online.cn International: +49 (0)241 95 163 153 USA & Canada: +1 877 302 8632 support@antibodies-online.com	

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Target Details	
Alternative Name:	RUNX1 (RUNX1 Products)
Background:	Description: Forms the heterodimeric complex core-binding factor (CBF) with CBFB. RUNX members modulate the transcription of their target genes through recognizing the core consensus binding sequence 5'-TGTGGT-3', or very rarely, 5'-TGCGGT-3', within their regulatory regions via their runt domain, while CBFB is a non-DNA-binding regulatory subunit that allosterically enhances the sequence-specific DNA-binding capacity of RUNX. The heterodimers bind to the core site of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, LCK, IL3 and GM-CSF promoters (Probable). Essential for the development of normal hematopoiesis (PubMed:17431401). Acts synergistically with ELF4 to transactivate the IL-3 promoter and with ELF2 to transactivate the BLK promoter (PubMed:10207087, PubMed:14970218). Inhibits KAT6B-dependent transcriptional activation (By similarity). Involved in lineage commitment of immature T cell precursors. CBF complexes repress ZBTB7B transcription factor during cytotoxic (CD8+) T cell development. They bind to RUNX-binding sequence within the ZBTB7B locus acting as transcriptional silencer and allowing for cytotoxic T cell differentiation. CBF complexes binding to the transcriptional silencer is essential for recruitment of nuclear protein complexes that catalyze epigenetic modifications to establish epigenetic ZBTB7B silencing (By similarity). Controls the anergy and suppressive function of regulatory T-cells (Treg) by associating with FOXP3. Activates the expression of IL2 and IFNG and down-regulates the expression of TNFRSF18, IL2RA and CTLA4, in conventional T-cells (PubMed:17377532). Positively regulates the expression of RORC in T-helper 17 cells (By similarity). Gene: RUNX1
Molecular Weight:	50kDa
Gene ID:	861
UniProt: Application Details	Q01196
Application Notes:	WR 1:500-1:2000 JE/JCC 1:100-1:500 ELISA(pentide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL

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Handling

Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.	
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:	-20 °C	
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.	
Expiry Date:	12 months	

Images



Western Blotting

Image 1. Western blot analysis of Phospho-AML1 (Ser276) expression in various lysates



Immunofluorescence (fixed cells)

Image 2. ABIN6267587 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

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kDa	1	2	
250-			
150-			
100-			
75—			
50—		_	-
37—			
25-			
20-			
15—			

Western Blotting

Image 3. Western blot analysis of AML1 phosphorylation expression in Jurkat whole cell lysates,The lane on the left is treated with the antigen-specific peptide.

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