Datasheet for ABIN7168481

anti-RUNX1 antibody (AA 211-445)

2 Images

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Overview

Quantity:	100 µg
Target:	RUNX1
Binding Specificity:	AA 211-445
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RUNX1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Runt-related transcription factor 1 protein (211-445AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	RUNX1
Alternative Name:	RUNX1 (RUNX1 Products)
Background:	Background: 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).
Aliases: Acute myeloid leukemia 1 antibody, Acute myeloid leukemia 1 protein antibody, alpha subunit core binding factor antibody, AML 1 antibody, AML1 antibody, AML1 EVI 1 antibody, AML1 EVI 1 fusion protein antibody, Aml1 oncogene antibody, AMLCR 1 antibody, AMLCR1 antibody, CBF alpha 2 antibody, CBF-alpha-2 antibody, CBFA 2 antibody, CBFA2 antibody, Core binding factor alpha 2 subunit antibody, Core binding factor runt domain alpha subunit 2 antibody, Core-binding factor subunit alpha-2 antibody, EVI 1 antibody, EVI1 antibody, HGNC antibody, Oncogene AML 1 antibody, Oncogene AML-1 antibody, OTTHUMP00000108696 antibody, OTTHUMP00000108697 antibody, OTTHUMP00000108699 antibody, OTTHUMP00000108700 antibody, OTTHUMP00000108702 antibody, PEA2 alpha B antibody, PEA2-alpha B antibody, PEBP2 alpha B antibody, PEBP2-alpha B antibody, PEBP2A2 antibody, PEBP2aB antibody, Polyomavirus enhancer binding protein 2 alpha B subunit antibody, Polyomavirus enhancer-binding protein 2 alpha B subunit antibody, Run1 antibody, Runt related transcription factor 1 antibody, Runt-related transcription factor 1 antibody, RUNX 1 antibody, Runx1 antibody, RUNX1_HUMAN antibody, SL3 3 enhancer factor 1 alpha B subunit antibody, SL3-3 enhancer factor 1 alpha B subunit antibody, SL3/AKV core binding factor alpha B subunit antibody, SL3/AKV core-binding factor alpha B subunit antibody

UniProt: Q01196

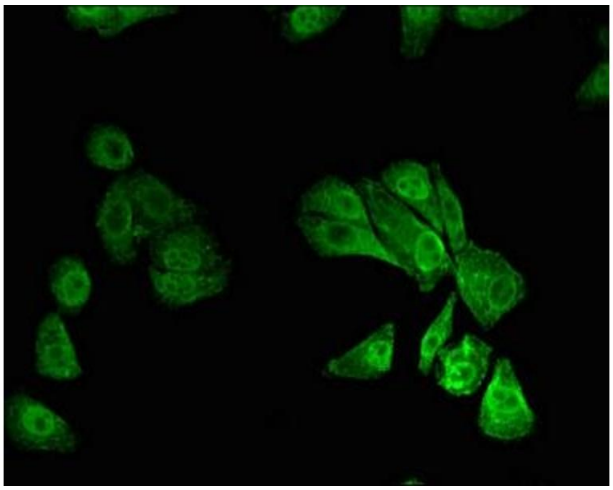
Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IF:1:50-1:200,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

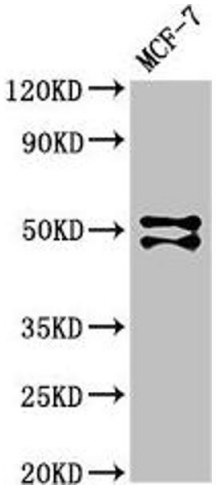
Images



Immunofluorescence

Image 1. Immunofluorescent analysis of HepG2 cells using ABIN7168481 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Images



Western Blotting

Image 2. Western Blot Positive WB detected in: MCF-7 whole cell lysate All lanes: RUNX1 antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 49, 51, 28, 29, 25, 21, 27, 52, 50, 38 kDa Observed band size: 49, 51 kDa