ARG67242
anti-RUNX2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes RUNX2
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	RUNX2
Conjugation	Un-conjugated
Alternate Names	RUNX2; RUNX Family Transcription Factor 2; AML3; Runt-Related Transcription Factor 2; CBFA1; Polyomavirus Enhancer-Binding Protein 2 Alpha A Subunit; SL3/AKV Core-Binding Factor Alpha A Subunit; Osteoblast-Specific Transcription Factor 2; SL3-3 Enhancer Factor 1 Alpha A Subunit; Runt Related Transcription Factor 2; Acute Myeloid Leukemia 3 Protein; Oncogene AML-3; PEBP2-Alpha A; PEA2-Alpha A; CBF-Alpha-1; PEBP2aA1; PEBP2A1; OSF-2; CCD1; OSF2; CCD; Core-Binding Factor, Runt Domain, Alpha Subunit 1; Core-Binding Factor Subunit Alpha-1; PEBP2aA; PEA2aA; PEBP2A; CLCD

Application Instructions

Application table

Application	Dilution
ICC/IF	1:100 - 1:200
IHC-P	1:100 - 1:200
WB	1:500 - 1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

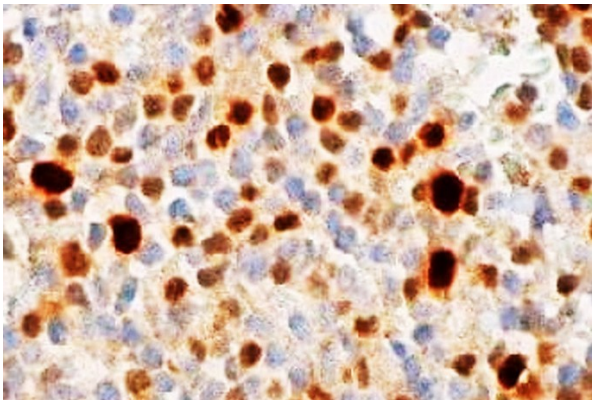
Form	Liquid
Purification	Affinity purified
Buffer	PBS (pH 7.0), 0.025% ProClin 300 and 20% Glycerol.
Preservative	0.025% ProClin 300
Stabilizer	20% Glycerol
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

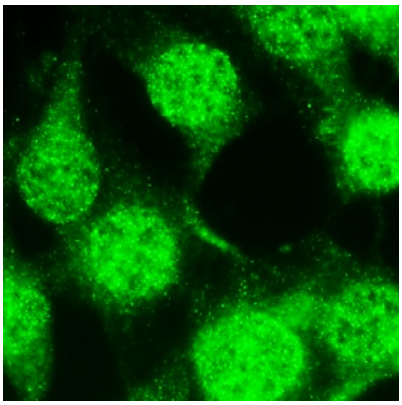
Gene Symbol	RUNX2
Gene Full Name	RUNX Family Transcription Factor 2
Background	This gene is a member of the RUNX family of transcription factors and encodes a nuclear protein with an Runt DNA-binding domain. This protein is essential for osteoblastic differentiation and skeletal morphogenesis and acts as a scaffold for nucleic acids and regulatory factors involved in skeletal gene expression. The protein can bind DNA both as a monomer or, with more affinity, as a subunit of a heterodimeric complex. Two regions of potential trinucleotide repeat expansions are present in the N-terminal region of the encoded protein, and these and other mutations in this gene have been associated with the bone development disorder cleidocranial dysplasia (CCD). Transcript variants that encode different protein isoforms result from the use of alternate promoters as well as alternate splicing. [provided by RefSeq, Jul 2016]
Function	Inhibits KAT6B-dependent transcriptional activation. [Uniprot]
Calculated Mw	57 kDa
PTM	Isopeptide bond, Methylation, Phosphoprotein, Ubl conjugation. [Uniprot]
Cellular Localization	Cytoplasm, Nucleus. [Uniprot]

Images



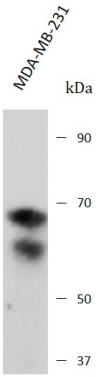
ARG67242 anti-RUNX2 antibody IHC-P image

Immunohistochemistry: Human lymp node stained with ARG67242 anti-RUNX2 antibody at 1:100 dilution.



ARG67242 anti-RUNX2 antibody ICC/IF image

Immunofluorescence: MDA-MB-231 stained with ARG67242 anti-RUNX2 antibody at 1:200 dilution.



ARG67242 anti-RUNX2 antibody WB image

Western blot: MDA-MB-231 stained with ARG67242 anti-RUNX2 antibody at 1:500 dilution.