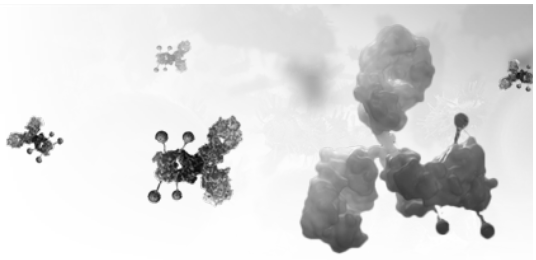

Rabbit Anti-RUNX2 monoclonal antibody, clone TE319-1 (CABT-L791)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	RUNX2
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TE319-1
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	ICC/IF, IHC, WB
Cellular Localization	Nucleus.
Positive Control	SW480, human tonsil tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw

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cycles.

BACKGROUND

Introduction

The mammalian Runt-related transcription factor (RUNX) family comprises three members, RUNX1 (also designated AML-1, PEBP2αB, CBFA2), RUNX2 (also designated AML-3, PEBP2 αA, CBFA1, Osf2) and RUNX3 (also designated AML-2, PEBPαC, CBFA3). RUNX family members are DNA-binding proteins that regulate the expression of genes involved in cellular differentiation and cell cycle progression. RUNX2 is essential for skeletal mineralization in that it stimulates osteoblast differentiation of mesenchymal stem cells, promotes chondrocyte hypertrophy and contributes to endothelial cell migration and vascular invasion of developing bones. Regulating RUNX2 expression may be a useful therapeutic tool for promoting bone formation. Mutations in the C-terminus of RUNX2 are associated with cleidocranial dysplasia syndrome, an autosomal-dominant skeletal dysplasia syndrome that is characterized by widely patent calvarial sutures, clavicular hypoplasia, supernumerary teeth, and short stature.

Keywords

Acute myeloid leukemia 3 protein;Alpha subunit 1;AML3;CBF alpha 1;CBF-alpha-1;CBFA1;CCD;CCD1;Cleidocranial dysplasia 1;Core binding factor;Core binding factor runt domain alpha subunit 1;Core binding factor subunit alpha 1;Core-binding factor subunit alpha-1;MGC120022;MGC120023;Oncogene AML 3;Oncogene AML-3;OSF 2;OSF-2;OSF2;Osteoblast specific transcription factor 2;Osteoblast-specific transcription factor 2;OTTHUMP00000016533;PEA2 alpha A;PEA2-alpha A;PEA2aA;PEBP2 alpha A;PEBP2-alpha A;PEBP2A1;PEBP2A2;PEBP2aA;PEBP2aA1;Polyomavirus enhancer binding protein 2 alpha A subunit;Polyomavirus enhancer-binding protein 2 alpha A subunit;Runt domain;Runt related transcription factor 2;Runt-related transcription factor 2;RUNX2;RUNX2_HUMAN;SL3 3 enhancer factor 1 alpha A subunit;SL3-3 enhancer factor 1 alpha A subunit;SL3/AKV core binding factor alpha A subunit;SL3/AKV core-binding factor alpha A subunit antibody

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