

RUNX2 Rabbit Polyclonal Antibody

Catalog No: #29595

Package Size: #29595-1 50ul #29595-2 100ul

Description

Product Name	RUNX2 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB IHC IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human RUNX2 (NP_001019801.3).
Conjugates	Unconjugated
Other Names	RUNX2;AML3;CBF-alpha-1;CBFA1;CCD;CCD1;CLCD;OSF-2;OSF2;PEA2aA;PEBP2aA
Accession No.	Swiss Prot:Q13950GeneID:860
Calculated MW	54kDa/55kDa/56kDa
SDS-PAGE MW	70kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

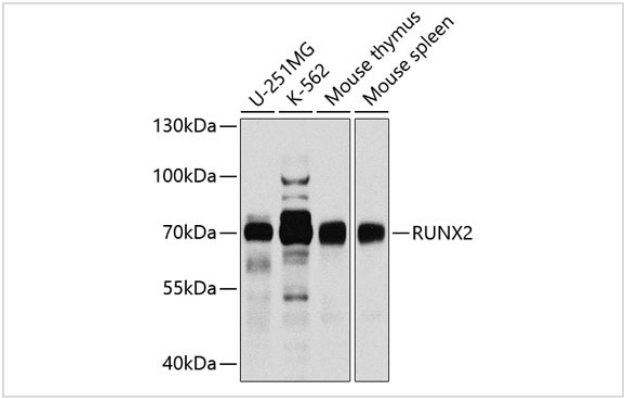
Application Details

WB 1:200 - 1:1000

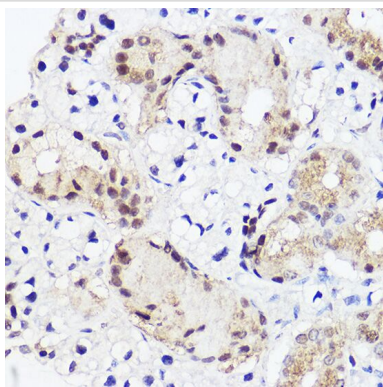
IHC 1:50 - 1:200

IF 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using RUNX2 at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded mouse salivary gland using RUNX2 Rabbit pAb at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

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.

Published Papers

el at., 3D printed PGCL@PLA/10CSPL composite scaffolds loaded with fibronectin 1 for intervertebral disc degeneration treatment, In Biofabrication on 2024 Dec 13 by Weilin Zhang, Siyuan Chen,et al..PMID:39668784, , (2024)

[PMID:39668784](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.