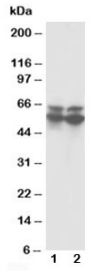
RUNX2 Antibody (R30326)

Catalog No.	Formulation	Size
R30326	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q13950
Applications	Western blot: 0.5-1ug/ml
Limitations	This RUNX2 antibody is available for research use only.



Western blot testing of RUNX2 antibody and Lane 1: rat thymus; 2: rat testis tissue lysate. Predicted molecular weight: 50-60 kDa.

Description

Core binding factor A1(CBFA1/RUNX2) is a runt-like transcription factor essential for osteoblast differentiation. This protein is a member of the RUNX family of transcription factors and has a Runt DNA-binding domain. It is essential for osteoblastic differentiation and skeletal morphogenesis and acts as a scaffold for nucleic acids and regulatory factors involved in skeletal gene expression. D'Souza et al.(1999) indicate a non-redundant role for Cbfa1 in tooth development that may be distinct from that in bone formation. In odontogenesis, Cbfa1 is not involved in the early signaling networks regulating tooth initiation and early morphogenesis but regulates key epithelial-mesenchymal interactions that control advancing morphogenesis and histodifferentiation of the epithelial enamel organ.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the RUNX2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human RUNX2 (DRLSDLGRIPHPSMR) was used as the immunogen for this RUNX2 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the RUNX2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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