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# Datasheet for ABIN3032500 anti-RUNX2 antibody (AA 445-474)

5 Images



## Overview

Quantity:	0.4 mL
Target:	RUNX2
Binding Specificity:	AA 445-474
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RUNX2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

## Product Details

Immunogen:	A portion of amino acids 445-474 from the human protein was used as the immunogen for this RUNX2 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

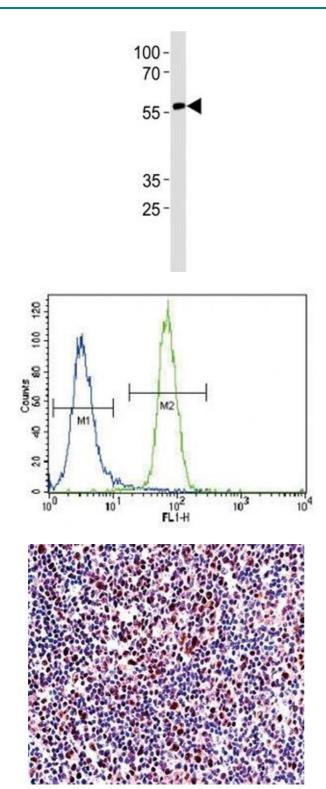
## Target Details

Target:	RUNX2
Alternative Name:	RUNX2 (RUNX2 Products)
Background:	RUNX2 is a transcription factor involved in osteoblastic differentiation and skeletal morphogenesis. Essential for the maturation of osteoblasts and both intramembranous and
	endochondral ossification. CBF binds to the core site, 5'-PYGPYGGT-3', of a number of

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	enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, osteocalcin, osteopontin, bone sialoprotein, alpha 1(I) collagen, LCK, IL-3 and GM-CSF promoters. In osteoblasts, supports transcription activation: synergizes with SPEN/MINT to enhance FGFR2-mediated activation of the osteocalcin FGF-responsive element (OCFRE) (By similarity). Inhibits KAT6B-dependent transcriptional activation. [UniProt]
UniProt:	Q13950
Application Details	
Application Notes:	Titration of the RUNX2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50,Flow Cytometry: 1:10-1:50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the RUNX2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Target Details



### Western Blotting

**Image 1.** RUNX2 antibody western blot analysis in CEM lysate. Predicted molecular weight: 50-60 kDa.

#### **Flow Cytometry**

**Image 2.** RUNX2 antibody flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

#### Immunohistochemistry

**Image 3.** RUNX2 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue.

Please check the product details page for more images. Overall 5 images are available for ABIN3032500.

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