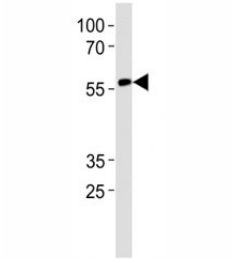
RUNX2 Antibody (F50727)

Catalog No.	Formulation	Size
F50727-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50727-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

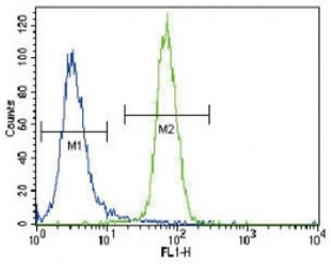
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q13950
Applications	Western blot: 1:1000 IHC (Paraffin): 1:10-1:50 Flow Cytometry: 1:10-1:50
Limitations	This RUNX2 antibody is available for research use only.



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



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



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.

Description

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 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]

Application Notes

Titration of the RUNX2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 445-474 from the human protein was used as the immunogen for this RUNX2 antibody.

Storage

Aliquot the RUNX2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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