

Osteocalcin Polyclonal Antibody

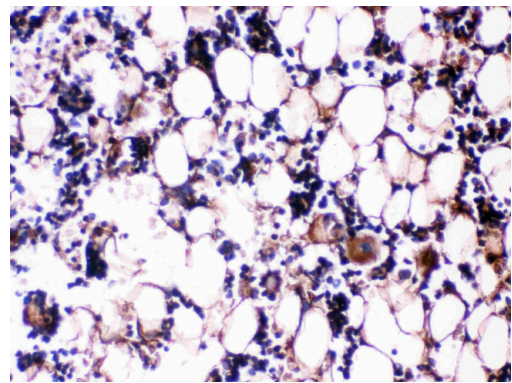
Product Details	
Size	100 µg
Species Reactivity	Rat
Published Species	Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	E. coli-derived rat Osteocalcin recombinant protein (Position: Y50-V99).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 5mg BSA
Contains	0.05mg sodium azide
Storage conditions	-20°C
RRID	AB_2745987

Applications	Tested Dilution	Publications
Immunohistochemistry (Paraffin) (IHC (P))	0.5-1 µg/mL	-
Immunohistochemistry (Frozen) (IHC (F))	0.5-1 µg/mL	1 Publication
Flow Cytometry (Flow)	1-3 µg/1x10^6 cells	-

Product Specific Information

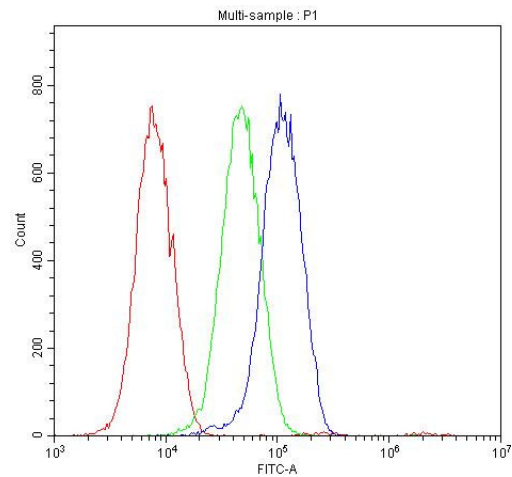
Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

Product Images For Osteocalcin Polyclonal Antibody



Osteocalcin Antibody (PA5-78871) in IHC (P)

Immunohistochemistry analysis of Osteocalcin on paraffin-embedded rat tibia tissue. Antigen retrieval was performed using citrate buffer (pH6, epitope retrieval solution) for 20 mins. Sample was blocked using 10% goat serum, incubated with Osteocalcin polyclonal antibody (Product# PA5-78871) with a dilution of 1 µg/mL (overnight at 4°C), and followed by biotinylated goat anti-rabbit IgG (30 minutes at 37°C). Development was performed using Streptavidin-Biotin-Complex (SABC) with DAB chromogen method.



Osteocalcin Antibody (PA5-78871) in Flow

Flow Cytometry of Osteocalcin in L6 cells (blue line), isotype control rabbit IgG (green line) and unlabeled (red line). Samples were blocked with 10% goat serum, incubated with Osteocalcin Polyclonal Antibody (Product # PA5-78871) at a dilution of 1 g (per 1x10^6 cells), followed by DyLight®488 conjugated goat anti-rabbit IgG (for 30 minutes at 20°C) using 5-10 g (per 1x10^6 cells) dilution.

1 Reference

Immunohistochemistry (Frozen) (1)

Advanced science (Weinheim, Baden-Wurttemberg, Germany)	Year 2022
Implantable Electrical Stimulation at Dorsal Root Ganglions Accelerates Osteoporotic Fracture Healing via Calcitonin Gene-Related Peptide.	Species Rat
"PA5-78871 was used in Immunohistochemistry-immunofluorescence to investigate how to modulate the neuronal engagement of the peripheral nerve system to enhance fracture healing."	Dilution 1:400
Authors: Mi J,Xu JK,Yao Z,Yao H,Li Y,He X,Dai BY,Zou L,Tong WX,Zhang XT,Hu PJ,Ruan YC,Tang N,Guo X,Zhao J, He JF,Qin L	

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