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Rabbit Anti-Osteocrin antibody

SL9566R

Product Name:	Osteocrin
Chinese Name:	肌肉素抗体
Alias:	Musclin; OSTN; OSTN_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	3.2kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Osteocrin:83-133/133
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Musclin, also designated osteocrin (Ostn), shows no homology with any known genes, except that it contains two conserved sequence motifs homologous to the natriuretic peptide family. Musclin is highly expressed in cells of osteoblast lineage and in skeletal muscle tissue, where it is tightly regulated by nutritional changes. It is secreted as either a full-length precursor protein or a processed form. A novel skeletal muscle-derived secretory factor, Musclin may play a role in bone formation and be linked to glucose metabolism. Studies indicate that insulin increases Musclin expression, whereas

epinephrine, isoproterenol and forskolin reduce its expression. Musclin is expressed in osteoblasts and young osteocytes. In mouse tissues, expression is bone-specific, although minimal Musclin expression is also observed in muscle, kidney, testis and heart tissues.

Function:
Appears to modulate osteoblastic differentiation. Could also function as an autocrine and paracrine factor linked to glucose metabolism in skeletal muscle.

Subcellular Location:
Secreted.

Tissue Specificity:
Expressed in bone.

SWISS:
P61366

Gene ID:
344901

Database links:

Entrez Gene: 344901Human

Entrez Gene: 239790Mouse

Entrez Gene: 360730Rat

Omim: 610280Human

SwissProt: P61366Human

SwissProt: P61364Mouse

SwissProt: Q149W1Mouse

SwissProt: P61365Rat

Unigene: 526794Human

Unigene: 390880Mouse

Unigene: 29193Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.