

OSTN Rabbit pAb

CatalogNo: YN7459

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 15kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from human OSTN

Specificity

This antibody detects endogenous levels of OSTN at Human, Mouse, Rat

Target Information

Gene name

OSTN

Protein Name	Osteocrin (Musclin)		
	Organism	Gene ID	UniProt ID
	Human	344901 ;	P61366 ;
	Mouse	239790 ;	P61364 ;
	Rat	360730 ;	P61365 ;
Cellular Localization	Secreted .		
Tissue specificity	Enriched in neocortical regions of the developing cerebral cortex (PubMed:27830782). Not expressed in other compartments of the neocortical wall or in brain regions such as the hippocampus, striatum, mediodorsal nucleus of the thalamus and cerebellum (PubMed:27830782). Also expressed in bone (PubMed:14523025). In developing neonatal rib bone, present at high level in osteoblasts on bone-forming surfaces, in newly incorporated osteocytes and in some late hypertrophic chondrocytes (at protein level) (PubMed:15923362). In adult bone, localizes specifically to osteoblasts and young osteocytes at bone-forming sites (at protein level) (PubMed:15923362).		
Function	Hormone that acts as a regulator of dendritic growth in the developing cerebral cortex in response to sensory experience . Induced in the brain following membrane depolarization and inhibits dendritic branching in neurons of the developing cortex . Probably acts by binding to natriuretic peptide receptor NPR3/NPR-C, thereby preventing binding between NPR3/NPR-C and natriuretic peptides, leading to increase cGMP production (By similarity).		

| Validation Data

| Contact information

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