

Osteocalcin Rabbit pAb

CatalogNo: YN2113

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IF, ELISA

MW

- 11kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

IF 1:100-300

ELISA 1:5000-20000

Not yet tested in other applications.

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 part region of human protein AA range: 31-80

Specificity

OSTCN Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name	BGLAP												
Protein Name	Osteocalcin (Bone Gla protein) (BGP) (Gamma-carboxyglutamic acid-containing protein)												
	<table><tr><th>Organism</th><th>Gene ID</th><th>UniProt ID</th></tr><tr><td>Human</td><td>632;</td><td>P02818;</td></tr><tr><td>Mouse</td><td></td><td>P86546;</td></tr><tr><td>Rat</td><td></td><td>P04640;</td></tr></table>	Organism	Gene ID	UniProt ID	Human	632 ;	P02818 ;	Mouse		P86546 ;	Rat		P04640 ;
Organism	Gene ID	UniProt ID											
Human	632 ;	P02818 ;											
Mouse		P86546 ;											
Rat		P04640 ;											
Cellular Localization	Secreted.												
Tissue specificity	Brain,Cerebellum,Colon,Lung carcinoma,Skin,Testis,Uterus,												
Function	Function:Constitutes 1-2% of the total bone protein. It binds strongly to apatite and calcium.,Function:Part of the MIS12 complex which is required for normal chromosome alignment and segregation and kinetochore formation during mitosis. May act as a cotranscription partner of NFE2L2 involved in regulation of polyamine-induced transcription of SSAT.,induction:By polyamine analogs in analog-sensitive H157 cells.,online information:Osteocalcin entry,PTM:Gamma-carboxyglutamate residues are formed by vitamin K dependent carboxylation. These residues are essential for the binding of calcium.,similarity:Belongs to the osteocalcin/matrix Gla protein family.,similarity:Contains 1 Gla (gamma-carboxy-glutamate) domain.,subcellular location:Associated with the kinetochore.,subunit:Component of the MIS12 complex composed of MIS12, DSN1, NSL1 and PMF1. Interacts with COPS7A. Interacts via its coiled-coil domain with the leucine-zipper domain of NFE2L2. The interaction with NFE2L2 is required for the transcriptional regulation of SSAT.,tissue specificity:Highest levels of expression in heart and skeletal muscle, with significant levels expressed in kidney and liver.,												

Validation Data

Contact information

Orders: order@immunoway.com
 Support: tech@immunoway.com
 Telephone: 877-594-3616 (Toll Free), 408-747-0185
 Website: <http://www.immunoway.com>
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code
 to access additional
 product information:
**Osteocalcin Rabbit
 pAb**