

Osteocalcin Rabbit mAb (AR1931)

Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,IHC,IF,ELISA
Isotype:	IgG,Kappa
MW:	11kDa (Calculated) 22kDa (Observed)

Recommended Dilution Ratios

WB:	1:2000-10000
IHC:	1:100-500
IF:	1:200-1000
ELISA:	1:5000-20000

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

Clonality	Monoclonal
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Immunogen Information

Specificity	Endogenous
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Target Information

Gene name	BGLAP
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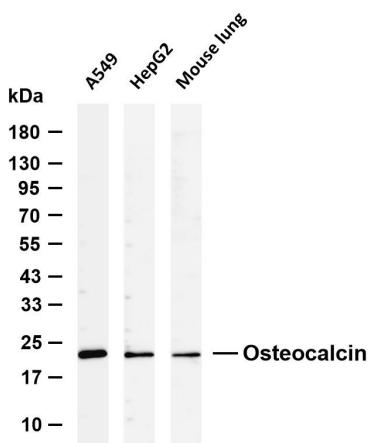
Protein Name	Osteocalcin (Bone Gla protein) (BGP) (Gamma-carboxyglutamic acid-containing protein)
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Organism	Gene ID	UniProt ID
Human	632	P02818
Mouse		P86546
Rat		P04640

Cellular Localization	Secreted
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Tissue specificity	Brain, Cerebellum, Colon, Lung carcinoma, Skin, Testis, Uterus
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Validation Data



Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-Osteocalcin antibody. The HRP -conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

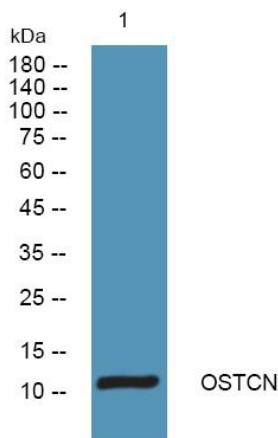
Lane 1: A549

Lane 2: HepG2

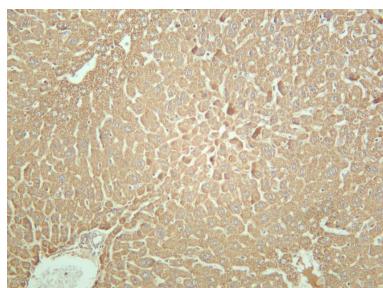
Lane 3: Mouse lung

Predicted band size: 11kDa

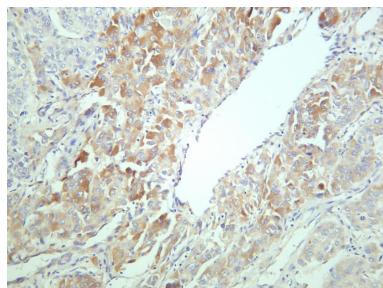
Observed band size: 22kDa



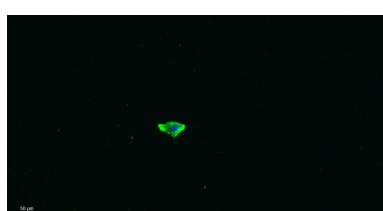
Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4°C overnight.



Mouse liver was stained with anti-Osteocalcin rabbit antibody.



Human hepatocellular carcinoma was stained with anti-Osteocalcin rabbit antibody.



Immunofluorescence analysis of A549.

1. primary Antibody was diluted at 1:200(4°C overnight).
2. Goat Anti Rabbit IgG (H&L) - Alexa Fluor 488 Secondary antibody was diluted at 1:1000(room temperature, 50min).
3. DAPI(blue) 10min.