

Product Datasheet

Osteopontin/OPN Antibody - BSA Free NBP1-59190

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-59190

Osteopontin/OPN Antibody - BSA Free

Product Information

Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS, 2% Sucrose
Target Molecular Weight	33 kDa

Product Description

Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	6696
Gene Symbol	SPP1
Species	Human
Immunogen	Synthetic peptides corresponding to SPP1 (secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1)) The peptide sequence was selected from the C terminal of SPP1 (NP_000573). Peptide sequence DSQELSKVSREFHSHEFHSHEDMLVVDPKSKEEDKHLKFRISHELDSASS The peptide sequence for this immunogen was taken from within the described region.

Product Application Details

Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1.0 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 4-8 ug/ml
Application Notes	Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 26770207).

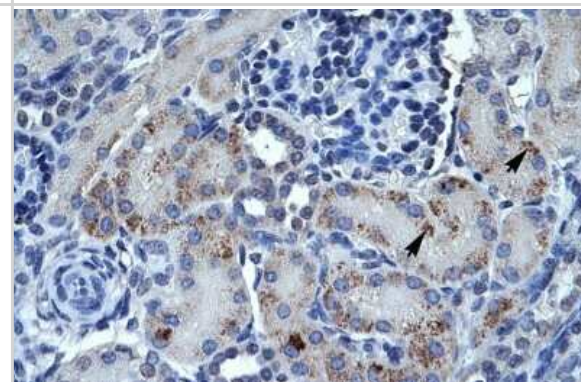


Images

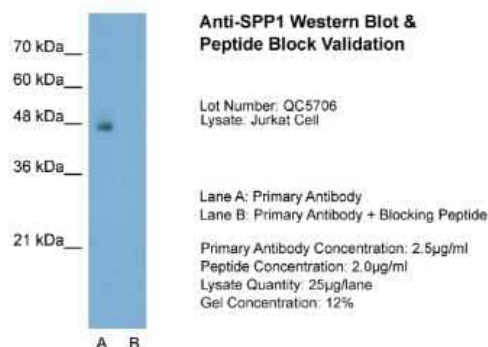
Western Blot: Osteopontin/OPN Antibody [NBP1-59190] - Jurkat cell lysate, Antibody Titration: 1.25ug/ml



Immunohistochemistry-Paraffin: Osteopontin/OPN Antibody [NBP1-59190] - Human kidney Tissue, antibody concentration 4-8ug/ml. Cells with positive label: renal corpuscle cells (indicated with arrows) 400X magnification.



Western Blot: Osteopontin/OPN Antibody [NBP1-59190] - Sample Tissue: Jurkat, Lane A: Primary Antibody, Lane B: Primary Antibody + Blocking Peptide, Primary Antibody Concentration: 2.5ug/mL, Peptide Concentration: 2.0ug/mL, Lysate Quantity: 25ug/lane, Gel Concentration: 12%



Publications

Fainor M, Mahindroo S, Betz KR et al. A Tunable Calcium Phosphate Coating to Drive in vivo Osseointegration of Composite Engineered Tissues Cells, tissues, organs 2023-03-24 [PMID: 36966531]

Vicari L, Calabrese G, Forte S, Giuffrida R. Potential Role of Activating Transcription Factor 5 during Osteogenesis. Stem Cells Int 2016-01-16 [PMID: 26770207]

Hadas R, Gershon E, Cohen A et al. Production of Hyaluronan by the Trophectoderm is a Prerequisite for Mouse Blastocyst Attachment bioRxiv 2020-01-01 (IHC-P, Mouse)



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Products Related to NBP1-59190

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB600-1043PEP	Osteopontin/OPN Antibody Blocking Peptide

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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