

Datasheet for ABIN723695

anti-Osteopontin antibody (AA 141-220)[2 Images](#)[2 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Osteopontin (SPP1)
Binding Specificity:	AA 141-220
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Osteopontin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Osteopontin
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow, Sheep, Pig
Purification:	Purified by Protein A.

Target Details

Target:	Osteopontin (SPP1)
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Target Details

Alternative Name:	Osteopontin (SPP1 Products)
Background:	<p>Synonyms: Osteopontin, Bone sialoprotein 1, Nephropontin, Secreted phosphoprotein 1, SPP-1, Urinary stone protein, Uropontin, SPP1, BNSP, OPN, PSEC0156, OSTP_HUMAN</p> <p>Background: Acts as a cytokine involved in enhancing production of interferon-gamma and interleukin-12 and reducing production of interleukin-10 and is essential in the pathway that leads to type I immunity (By similarity).</p>
Gene ID:	6696
UniProt:	P10451
Pathways:	Regulation of Cell Size

Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

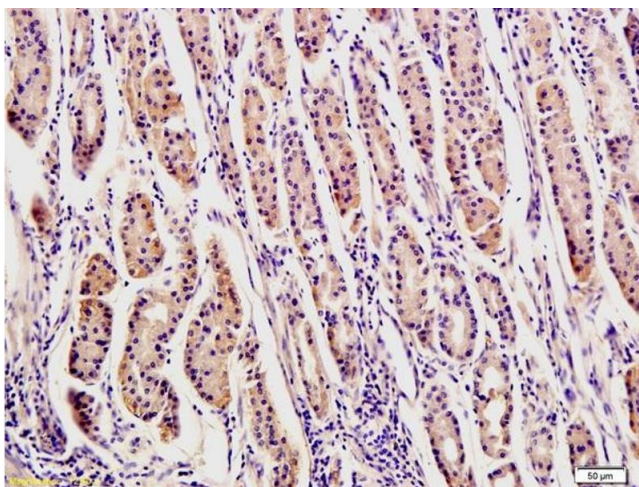
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Product cited in: Zhan, Liu, Wang: "The Role of MicroRNA-143-5p in the Differentiation of Dental Pulp Stem Cells into Odontoblasts by Targeting Runx2 via the OPG/RANKL Signaling Pathway." in: **Journal of cellular biochemistry**, Vol. 119, Issue 1, pp. 536-546, (2018) ([PubMed](#)).

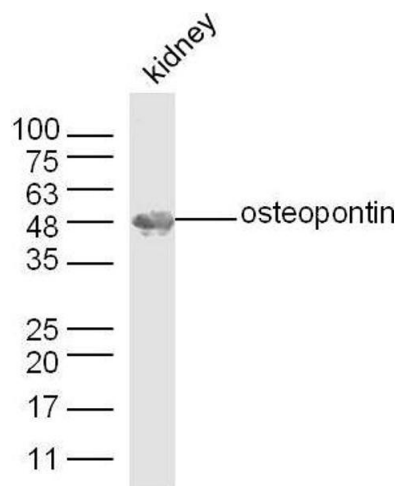
Liu, Zhang, Wang, Zhang, Chen, Wu: "A Strontium-Modified Titanium Surface Produced by a New Method and Its Biocompatibility In Vitro." in: **PLoS ONE**, Vol. 10, Issue 11, pp. e0140669, (2015) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin-embedded human stomach tissue labeled with Rabbit Anti-OPN Polyclonal Antibody, Unconjugated (ABIN723695) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Western Blotting

Image 2. Mouse kidney lysates probed with Osteopontin Polyclonal Antibody, unconjugated at 1:300 overnight at 4°C followed by a conjugated secondary antibody at 1:10000 for 60 minutes at 37°C.