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anti-Osteopontin antibody (AA 17-287)

3 Images



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Overview

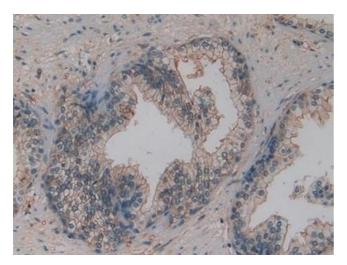
Quantity:	100 μL
Target:	Osteopontin (SPP1)
Binding Specificity:	AA 17-287
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Osteopontin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Osteopontin (OPN)
Immunogen:	Recombinant Osteopontin (OPN) corresdonding to Ile17~Asn287 with N-terminal His and GST Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against OPN. It has been selected for its ability to recognize OPN in immunohistochemical staining and western blotting.
Cross-Reactivity:	Pig
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

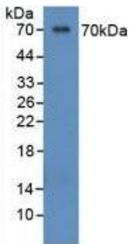
Target Details	
Target:	Osteopontin (SPP1)
Alternative Name:	Osteopontin (SPP1 Products)
Background:	SPP1, BNSP, BSPI, ETA1, Secreted Phosphoprotein 1, Bone Sialoprotein I, Early T-Lymphocyte Activation 1, Nephropontin, Urinary stone protein, Uropontin
Pathways:	Regulation of Cell Size
Application Details	
Application Notes:	Western blotting: 0.5-3 μg/mL Immunohistochemistry: 5-30 μg/mL Immunocytochemistry: 5-30 μg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only
Handling	

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 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:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



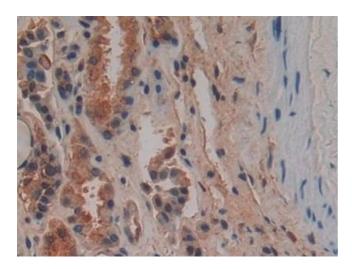
Immunohistochemistry

Image 1. Detection of OPN in Human Prostate cancer Tissue using Polyclonal Antibody to Osteopontin (OPN)



Western Blotting

Image 2. Detection of Recombinant OPN, Human using Polyclonal Antibody to Osteopontin (OPN)



Immunohistochemistry

Image 3. Detection of OPN in Human Kidney Tissue using Polyclonal Antibody to Osteopontin (OPN)