

# Rabbit Anti-Osteopontin/SPP1

(100 µg/vial, Lyophilized)

**Catalog Number: BPAB2712**

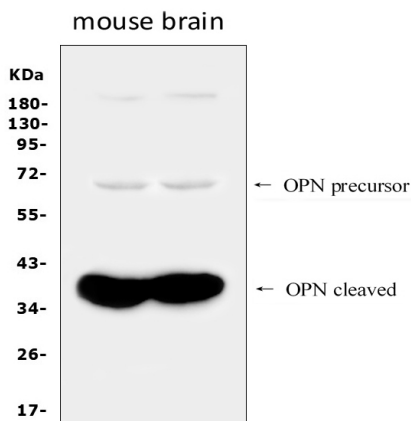
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**Detroit R&D, Inc.**

<b>Product Name</b>	Anti-Osteopontin (OPN)/SPP1 Antibody
<b>Reactive Species</b>	Human, Mouse, Rat
<b>Description</b>	Rabbit IgG polyclonal antibody for Osteopontin(SPP1) detection. Tested with WB, ELISA in Human;Mouse;Rat.
<b>Application</b>	ELISA, WB
<b>Clonality</b>	Polyclonal
<b>Formulation</b>	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .
<b>Storage Instructions</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
<b>Host</b>	Rabbit
<b>Uniprot ID</b>	P10451

## Technical Details

<b>Immunogen</b>	A synthetic peptide corresponding to a sequence at the C-terminus of human Osteopontin, different from the related mouse sequence by eight amino acids, and from the related rat sequence by seven amino acids.
<b>Cross Reactivity</b>	No cross reactivity with other proteins
<b>Form</b>	Lyophilized
<b>Reconstitution</b>	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
<b>Purification</b>	Immunogen affinity purified.
<b>Suggested Dilutions</b>	Western blot, 0.1-0.5µg/ml, Human, Mouse, Rat, - ELISA , 0.1-0.5µg/ml, Human



Western blot analysis of OPN using anti- OPN antibody.

The sample well of each lane was loaded with 50ug of sample under reducing conditions. The membrane was incubated with rabbit anti-OPN antibody at 0.5ug/ml 4°C overnight, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit. Specific bands were detected for OPN at approximately 66KD (OPN precursor) and 40KD (OPN cleaved).

Molecular Weight of OPN precursor: 66 kDa.  
Molecular Weight of OPN cleaved : 25-55 kDa.