



Rabbit anti Osteopontin Polyclonal Antibody

Alternative Name(s): SPP1; Secreted phosphoprotein

Order Information

- **Description:** Osteopontin
- **Catalogue:** 500-3284
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Pg, Dg

ANTIGEN PREPARATION

A synthetic peptide corresponding to the internal segment of human Osteopontin

BACKGROUND

Osteopontin (OPN or Early T-Lymphocyte Activation-1: Eta-1), also referred to as transformation-associated secreted phosphoprotein, bone sialoprotein I, and minopotin, is a highly phosphorylated and glycosylated phosphoprotein that is expressed in many tissues. It is acidic, calcium-binding, cell surface-binding sequences (RGD)-containing protein was originally isolated from bone matrix. Osteopontin has been found in kidney, placenta, blood vessels. It is over-expressed in a variety of cancers, including lung, breast, colorectal, stomach, ovarian, melanoma and mesothelioma.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human Osteopontin. The other species not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

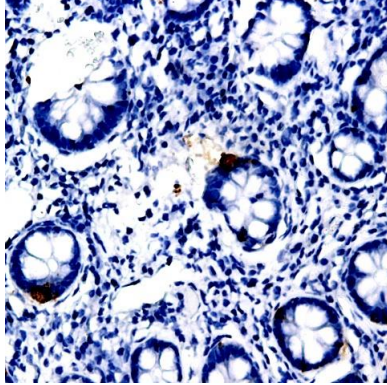
- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: Not tested
- Molecular Weight: 29.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human Kidney carcinoma (FFPE) stained with Rabbit antiOsteopontin/SPP1 (Cat# 500-3284) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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