

## OPN Polyclonal Antibody

### Description

Product type	Primary Antibody
Code	BT-AP12423
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic peptide from human protein at AA range: 91-140
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Osteopontin
Synonyms	Osteopontin ;Bone sialoprotein 1;Nephropontin;Secreted phosphoprotein 1;SPP-1;Urinary stone protein;Uropontin; Osteopontin; Bone sialoprotein 1; Nephropontin; Secreted phosphoprotein 1; SPP-1; Urinary stone protein; Uropontin

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

The protein encoded by this gene is involved in the attachment of osteoclasts to the mineralized bone matrix. The encoded protein is secreted and binds hydroxyapatite with high affinity. The osteoclast vitronectin receptor is found in the cell membrane and may be involved in the binding to this protein. This protein is also a cytokine that upregulates expression of interferon-gamma and interleukin-12. Several transcript variants encoding different isoforms have been found for this gene.

### Recommended Dilution

WB: 1: 500 - 1: 2000

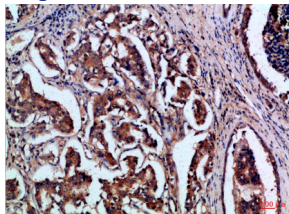
IHC-p: 1: 50 - 1: 200

ELISA: 1: 20000

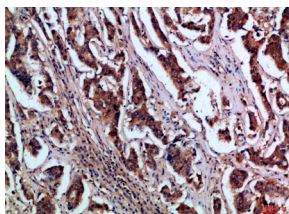
ELISA: 1: 10000 - 1: 20000

Not yet tested in other applications.

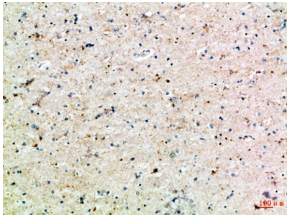
### Images



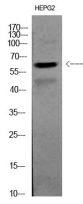
Immunohistochemical analysis of paraffin-embedded Human-breast-cancer, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Human-breast-cancer, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Human-brain, antibody was diluted at 1:100



Western Blot analysis of HepG2 cell. Secondary antibody was diluted at 1:20000

### Storage

-20°C for 1 year

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