

## OPN Polyclonal Antibody

Catalog No: #49995



Package Size: #49995-1 50ul #49995-2 100ul

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## Description

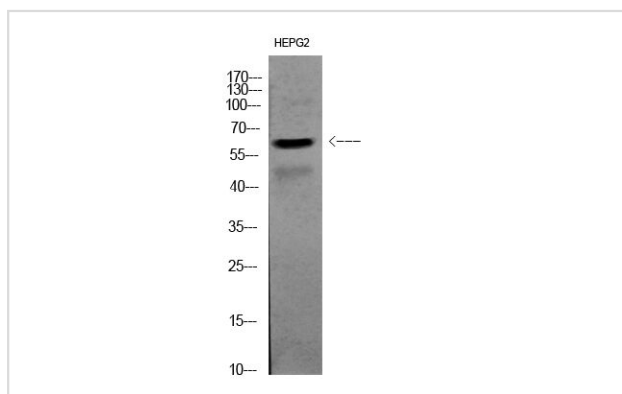
Product Name	OPN Polyclonal Antibody
Host Species	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous OPN
Immunogen Description	Synthetic peptide from human protein at AA range: 91-140
Other Names	Osteopontin; Bone sialoprotein 1; Nephropontin; Secreted phosphoprotein 1; SPP-1; Urinary stone protein; Uropontin
Accession No.	Swiss_Prot:P10451Gene_ID:6696
Calculated MW	35kDa
Concentration	1mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1 year

## Application Details

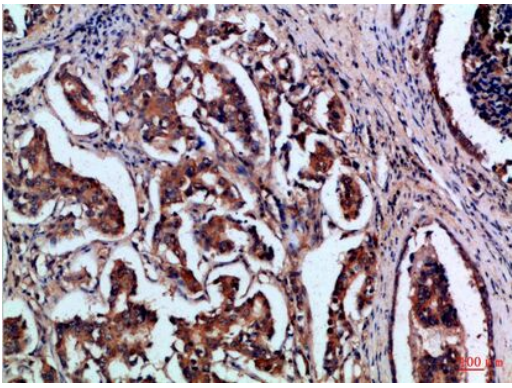
WB dilution: 1:500-2000

IHC dilution: 1:50-200

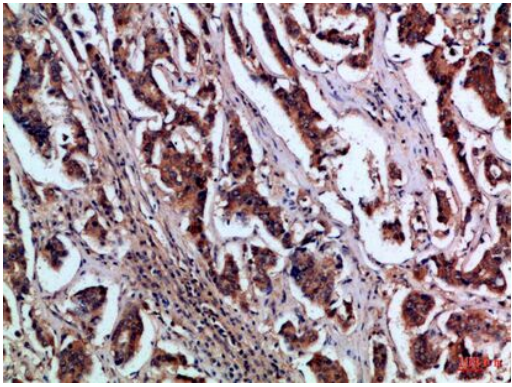
## Images



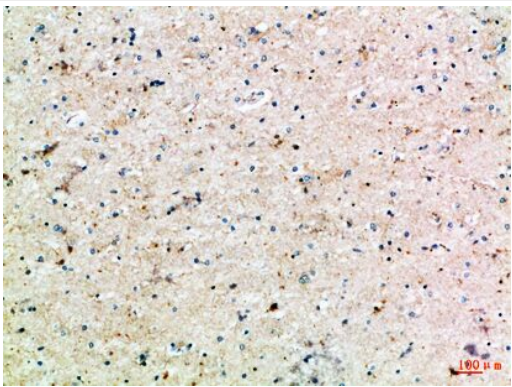
Western Blot analysis of HepG2 cell.



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

## Background

Secreted phosphoprotein 1(SPP1) Homo sapiens 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. [provided by RefSeq, Oct 2011]

Note: This product is for in vitro research use only and is not intended for use in humans or animals.