

Nur für Forschungszwecke

# Osteopontin Polyklonaler Antikörper



Katalog-Nr.:22952-1-AP

Vorgestelltes Produkt

197 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 22952-1-AP	<b>GenBank-Zugangsnummer:</b> BC007016	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 1000 µg/ml von6696	<b>GeneID (NCBI):</b> 150000	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:4000
<b>Nanodrop:</b>	<b>Vollständiger Name:</b> secreted phosphoprotein 1	<b>IHC 1:50-1:200</b>
<b>Wirt:</b> Kaninchen	<b>Berechnete Masse:</b> 314 aa, 35 kDa	<b>IF 1:20-1:200</b>
<b>Isotyp:</b> IgG	<b>Beobachtete Masse:</b> 70 kDa, 44-66 kDa	
<b>Immunogen Katalognummer:</b> AG19216		

## Anwendungen

**Geprüfte Anwendungen:**  
IF, IHC, WB, ELISA

**In Publikationen genannte Anwendungen:**  
CoIP, ELISA, IF, IHC, WB

**Getestete Reaktivität:**  
Human, Maus, Ratte

**Zitierte Arten:**  
Human, Maus, Ratte, Rind

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

**Positivkontrollen:**

**WB:** HEK-293-Zellen, HepG2-Zellen, Jurkat-Zellen, Mausnierengewebe

**IHC:** humanes Magenkrebsgewebe, humanes Kolonkarzinomgewebe

**IF:** HepG2-Zellen,

## Hintergrundinformationen

Osteopontin (OPN), also known as SPP1, is a secreted glycoprophosphoprotein that belongs to the small integrin-binding ligand N-linked glycoprotein (SIBLING) family. Originally isolated from bone, OPN has been found in kidneys, vascular tissues, biological fluids, and various tumor tissues (PMID: 15138464; 16406521). OPN can interact with CD44 and integrins and regulate diverse biological processes. It has a multifaceted role in bone development and remodeling, and is also involved in the inflammatory and immune response, oncogenesis and cancer progression. The very acidic nature of OPN, as well as the presence of variable posttranslational modifications, has led to anomalous migration in SDS-polyacrylamide gels and therefore to reports of different molecular weights for OPN (PMID: 8293561). Depending on the cell and tissue source and/or the SDS-PAGE system, OPN migrates with a molecular weight of 44-80 kDa, as well as at some smaller bands corresponding to peptide fragments (PMID: 8195113; 17890765).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Rupesh Kandel	34579527	ACS Appl Mater Interfaces	WB,IF
Yuan-Wei Zhang	36196151	J Orthop Translat	IHC
Guangchun Dai	33102476	Front Cell Dev Biol	IHC

## Lagerung

**Lagerungsbedingungen:**

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

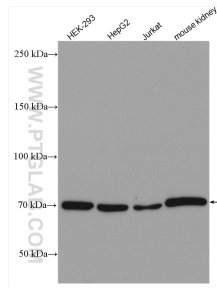
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

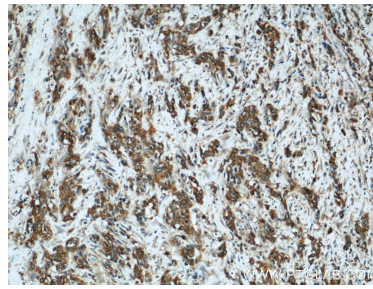
E: proteintech@ptglab.com  
W: ptglab.com

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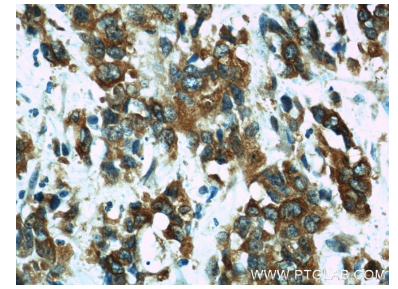
## Ausgewählte Validierungsdaten



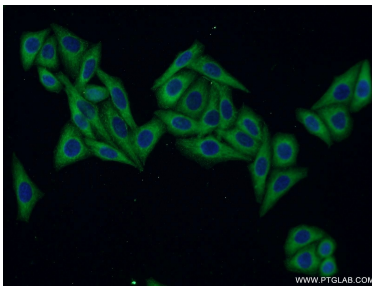
Various lysates were subjected to SDS PAGE followed by western blot with 22952-1-AP (Osteopontin antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer using 22952-1-AP (Osteopontin antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human stomach cancer using 22952-1-AP (Osteopontin antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HepG2 cells using 22952-1-AP (Osteopontin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).