anti-Osteopontin antibody

Product Information

Catalog No.:	FNab06033
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Osteopontin(OPN), also known as SPP1, is a secreted glycophosphoprotein that belongs to the small integrin-binding ligand N-linked glycoprotein(SIBLING) family. Originally isolated from bone, OPN has been found in kidney, 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.

Immunogen information

Immunogen:	secreted phosphoprotein 1
Synonyms:	BNSP, Bone sialoprotein 1, BSPI, ETA 1, Nephropontin, OPN, Osteopontin, secreted phosphoprotein 1, SPP 1, SPP1, Urinary stone protein, Uropontin
Observed MW:	66 kDa
UniprotID :	P10451

Application
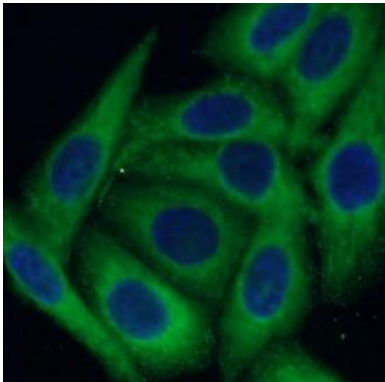
Reactivity: Human, Mouse, Rat

Tested Application: ELISA, IHC, WB, IF

Recommended dilution: WB: 1:500-1:2000; IHC: 1:50-1:200; IF: 1:20-1:200

Image:
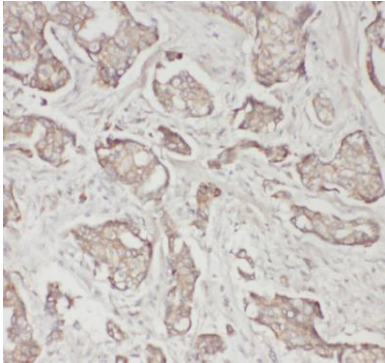
Immunohistochemistry of paraffin-embedded human stomach cancer using FNab06033(OPN antibody) at dilution of 1:50
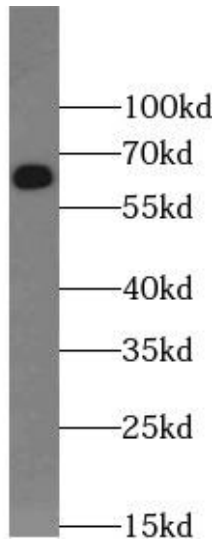

Immunofluorescent analysis of HepG2 cells using FNab06033 (Osteopontin antibody) at dilution of 1:50 and Alexa Fluor 488-congugated Goat Anti-Rabbit IgG(H+L)

mouse kidney tissue were subjected to SDS PAGE followed by western blot with FNab06033(OPN Antibody) at dilution of 1:1000