

## Anti-Osteopontin Antibody (5D926)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5D926
Purification:	Affinity-chromatography

## Applications

Verified Activity:	1. Western Blot -Positive WB detected in: 293T whole cell lysate, U-251 whole cell lysate, U-87 whole cell lysate -All lanes: Osteopontin Antibody at 1:1000 -Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution -Predicted band size: 36, 34, 33, 34, 34 kDa -Observed band size: 36 kDa
	2. IHC image of TMAH-01129 diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.
Application:	ELISA,IHC,WB
Recommended	WB:1:500-1:5000; IHC:1:50-1:200.

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthetic peptide: Human Osteopontin
Antigen Species:	Human
Gene ID:	6696
Uniprot ID:	P10451
Synonyms:	secreted phosphoprotein 1;OPN;ETA-1;BNSP;BSPI
Biology Area:	Cancer, Cardiovascular, Signal transduction, Stem cells

## Research Background

Major non-collagenous bone protein that binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction. Acts as a cytokine involved in enhancing production of interferon-gamma and interleukin-12 and reducing production of interleukin-10 and is essential in the

pathway that leads to type I immunity.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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