

Osteopontin Recombinant antibody

Cat: B36219S

Company: HaoKeBio

Uniprot ID: P10451-5

Applications: IHC: 1:200-1:800

Organism: Rabbit

IHC-Polymer: 1:800-1:3200

Species reactivity: Human Mouse

IHC-TSA: 1:1000-1:4000

Molecular Weight Calculation: 314 aa, 35 kDa

IF: 1:50

Observed Molecular Weight: 60-66 kDa

WB: 1:1000-1:6000

FC: 1:200-1:600

Background:

Osteopontin (OPN), also known as SPP1, is a secreted glycoposphoprotein 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. 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. Depending on the cell and tissue source and/or the SDS-PAGE system, OPN migrates with a molecular weight of 4-80 kDa, as well as at some smaller bands corresponding to peptide fragments.

Synonyms:

OPN, SPP1, OPN, 240206A2, BNSP, Bone sialoprotein 1

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Cytoplasm, Extracellular matrix

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

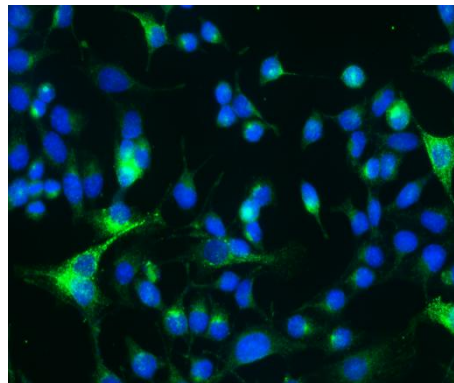
Storage:

Store at -20 °C for one year.

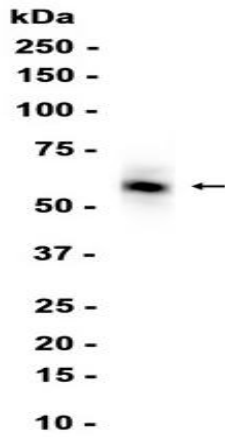
Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: HeLa cell, 4% PFA 12-24h



Dilution of 1:6000 incubated at room temperature for 1.5 hours.

Source of Reagents:

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