

Osteopontin Recombinant antibody

Cat: B15003R
Company: HaoKebio
Uniprot ID: Q547B5

Applications: IHC:1:100-1:500

Organism: Rabbit

IHC-Polymer:1:400-1:2000

Species reactivity: Mouse

IHC-TSA:1:500-1:2500

WB:1:5000-1:50000

Background:

Osteopontin (OPN) is also named as 2AR, minopontin, bone sialoprotein 1, Spp1, Eta-1 and Op, and belongs to the osteopontin family. Osteopontin is a major non-collagenous bone protein that binds tightly to hydroxyapatite. It is a highly phosphorylated glycoprophosphoprotein having acidic characteristics and rich in aspartic acid. And it 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. OPN, a multifunctional protein, has important functions on cardiovascular diseases, cancer, diabetes and kidney stone diseases and in the process of inflammation, biomineralization, cell viability and wound healing. Osteopontin (OPN) is a pleiotropic glycoprotein expressed in various cell types in animals and in humans, including bone, immune, smooth muscle, epithelial and endothelial cells. Moreover, OPN is found in kidneys (in the thick ascending limbs of the loop of Henle and in distal nephrons) and urine.

Protein full name:

secreted phosphoprotein 1

Synonyms:

Spp1, Opn, 240250A1

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Secreted

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

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

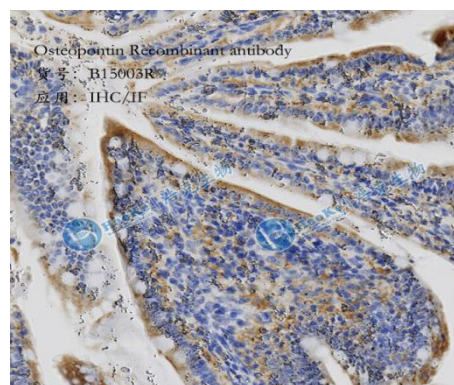
Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 6.0), 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: Mouse intestine, 4% PFA 12-24h

Source of Reagents:

发表[中文论文]请标注:Osteopontin(B15003R)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:Osteopontin(B15003R) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.