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## SMOC2 Rabbit pAb

Catalog Number: bs-7506R

Target Protein: SMOC2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog)

Predicted MW: 47 kDa

Entrez Gene: 64094

Swiss Prot: Q9H3U7

Source: KLH conjugated synthetic peptide derived from human SMOC2: 311-410/446.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** SMOC 2 (Secreted modular calcium binding protein 2) is a secreted modular protein containing an EF hand calcium binding domain homologous to that in BM40. It consists of two thyroglobulin like domains, a follistatin like domain and a novel domain found only in the homologous SMOC 1. SMOC 1 and 2 form a separate group within the BM40 family. SMOC 2 is a glycoprotein with a calcium dependent conformation. SMOC 2 contains 2 EF hand calcium binding domains, 1 Kazal like domain and 2 thyroglobulin type I domains.

### PRODUCT SPECIFIC PUBLICATIONS

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[IF=4.147] Feng Long, et al. A SMOC2 variant inhibits BMP signaling by competitively binding to BMPRII and causes growth plate defects. Bone. 2021 Jan;142:115686 WB ; Human . 33059102