

bs-7506R**[Primary Antibody]****SMOC2 Rabbit pAb****Bioss**
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog)
GeneID: 64094	SWISS: Q9H3U7	Predicted MW.: 47 kDa
Target: SMOC2		Subcellular Location: Secreted ,Extracellular matrix ,Cell membrane
Immunogen: KLH conjugated synthetic peptide derived from human SMOC2: 311-410/446.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
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.		

— SELECTED CITATIONS —

- **[IF=10.5]** Weixuan Zhao. et al.Engineering sialylated N-glycans on adeno-associated virus capsids for targeted gene delivery and therapeutic applications..JOURNAL OF CONTROLLED RELEASE.2025 Apr 10;380:563-578. Western blot,IHC ;Human,Mouse. 39938722
- **[IF=4.147]** Feng Long. et al. A SMOC2 variant inhibits BMP signaling by competitively binding to BMPRI1B and causes growth plate defects. Bone. 2021 Jan;142:115686 WB ;Human. 33059102