

**SMOC1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13673B****Specification**

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**SMOC1 Antibody (C-term) - Product Information**

|                   |                                                              |
|-------------------|--------------------------------------------------------------|
| Application       | WB,E                                                         |
| Primary Accession | <a href="#">Q9H4F8</a>                                       |
| Other Accession   | <a href="#">NP_071420.1</a> , <a href="#">NP_001030024.1</a> |
| Reactivity        | Human, Mouse                                                 |
| Host              | Rabbit                                                       |
| Clonality         | Polyclonal                                                   |
| Isotype           | Rabbit IgG                                                   |
| Calculated MW     | 48163                                                        |
| Antigen Region    | 284-313                                                      |

**SMOC1 Antibody (C-term) - Additional Information****Gene ID** 64093**Other Names**

SPARC-related modular calcium-binding protein 1, Secreted modular calcium-binding protein 1, SMOC-1, SMOC1

**Target/Specificity**

This SMOC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 284-313 amino acids from the C-terminal region of human SMOC1.

**Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SMOC1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SMOC1 Antibody (C-term) - Protein Information****Name** SMOC1

**Function** Plays essential roles in both eye and limb development. Probable regulator of osteoblast differentiation.

**Cellular Location**

Secreted, extracellular space, extracellular matrix, basement membrane. Note=In or around the basement membrane

**Tissue Location**

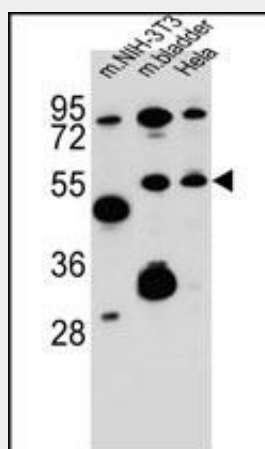
Widely expressed in many tissues with a strongest signal in ovary. No expression in spleen

**SMOC1 Antibody (C-term) - Protocols**

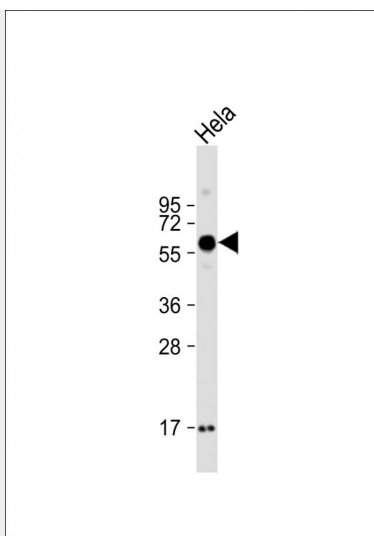
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SMOC1 Antibody (C-term) - Images**



SMOC1 Antibody (C-term) (Cat. #AP13673b) western blot analysis in mouse NIH-3T3 cell line and mouse bladder tissue and HeLa cell line lysates (35ug/lane). This demonstrates the SMOC1 antibody detected the SMOC1 protein (arrow).



Anti-SMOC1 Antibody (C-term) at 1:2000 dilution + HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 48 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

#### **SMOC1 Antibody (C-term) - Background**

The function of this protein remains unknown.

#### **SMOC1 Antibody (C-term) - References**

Choi, Y.A., et al. J. Proteome Res. 9(6):2946-2956(2010)  
Sherva, R., et al. Am. J. Hypertens. 20(4):398-402(2007)  
Heilig, R., et al. Nature 421(6923):601-607(2003)  
Vannahme, C., et al. J. Biol. Chem. 277(41):37977-37986(2002)

#### **SMOC1 Antibody (C-term) - Citations**

- [PRDM16 orchestrates angiogenesis via neural differentiation in the developing brain](#)