



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Smoothelin [R4A] Standard Size Ab03355-1.1

**Isotype and Format:** Mouse IgG1, Kappa

**Clone Number:** R4A

**Alternative Name(s) of Target:**

**UniProt Accession Number of Target Protein:** P53814

**Published Application(s):** ICC, WB, IHC

**Published Species Reactivity:** canine, Chicken, Feline, Monkey, Swine, Human

**Immunogen:** The original antibody was generated by immunizing a BALB/c mouse with a cytoskeletal extract of chicken gizzard.

**Specificity:** The antibody reacts with the 59 kDa and 100 kDa protein, corresponding to smoothelin A and B, respectively, which are exclusively found in smooth muscle cells. Smoothelin is a constituent of the smooth muscle cell (SMC) cytoskeleton. Antibodies directed to smoothelin are useful tools to monitor SMC differentiation.

**Application Notes:** The antibody detected Smoothelin by western blot analysis. This antibody was used for immunohistochemical screening of different species and tissues (i.e., intestinal smooth muscle tissue of human, goat, *Xenopus laevis*, and chicken oesophagus, human large intestine, stomach, uterus, and prostate, smooth muscle cells) for the presence of smoothelin. COS7 cells transfected with the full-size human smoothelin cDNA showed filamentous structures that were reactive with the antibody in immunofluorescence analysis (van der Loop et al., 1996; PMID: 8707825). This antibody was used for immunohistochemistry on normal smooth muscle (Coco et al., 2009; PMID: 19950405).

**Antibody First Published in:** van der Loop et al. Smoothelin, a novel cytoskeletal protein specific for smooth muscle cells *J Cell Biol.* 1996 Jul;134(2):401-11. [PMID:8707825](#)

**Note on publication:** The original paper describes the generation and characterization of the antibody.

### Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.