



Data Sheet

SILICATEIN ALPHA AND SILICATEIN BETA (*SUBERITES DOMUNCULA*)

ANTIBODY, POLYCLONAL

Catalog no.:	AC1008.1 / AC1008.2
Immunogen:	Purified filaments of spicules from <i>Suberites domuncula</i>
Swiss-Prot No:	Q2MEV3 and Q70TB1
Gene Information:	Gene Name: silicaa-g and silicb
Host:	Rabbit
Matrix:	Serum
Specificity:	Silicatein- α and silicatein- β , tested against following species: <i>Suberites domuncula</i> , <i>Lubomirskia baikalensis</i> , <i>Tethya aurantium</i> , <i>Geodia cydonium</i>
Contents:	20 μ l / 100 μ l (lyophilized) Resuspend in 20 μ l / 100 μ l aqua bidest.
Known applications:	ELISA (1:6000), Western Blot (1:1500) ¹ , immunohistochemistry (resin sections, 1:800) ¹ , immunoprecipitation ¹ This antibody has not been tested for use in all applications. This does not necessarily exclude its use for non-tested procedures. The stated dilutions are recommendations only. We suggest that the applicant titrates the antibody in his/her system using appropriate negative/positive controls.
Store at:	2-8 °C (lyophilized); -20 °C (dissolved) Repeated thawing and freezing must be avoided
References:	1 Schröder HC, Boreiko A, Korzhev M, Tahir MN, Tremel W, Eckert C, Ushijima H, Müller IM, Müller WEG (2006). Co-expression and Functional Interaction of silicatein with galectin, matrix-guided formation of siliceous spicules in the marine demosponge <i>Suberites domuncula</i> . <i>J. Biol. Chem.</i> 281 : 12001-12009. 2. Müller WEG, Belikov SI, Tremel W, Perry C, Gieskes WWC, Boreiko A, Schröder HC (2006). Siliceous spicules in marine demospoges (example <i>Suberites domuncula</i>). <i>Micron</i> 37 : 107-120. 3. Müller WEG, Rothenberger M, Boreiko A, Tremel W, Reiber A, Schröder HC (2005). Formation of siliceous spicules in the marine demosponge <i>Suberites domuncula</i> . <i>Cell Tissue Res.</i> 321 : 285-297.
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