

OriGene Technologies Inc.

9620 Medical Center Drive. Ste 200 Rockville, MD 20850

Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com

UNITED STATES

TA311390 **OriGene EU**

Acris Antibodies GmbH Schillerstr. 5 32052 Herford **GERMANY**

Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info@acris-antibodies.com

Polyclonal Antibody to Mucin-10 / Prol1 - Aff - Purified

Alternative namesBasic proline rich lacrimal protein, BPLP, Muc10, PRL1, Proline rich 1, Alternate names:

submandibular gland salivary mucin

Catalog No.: TA311390 **Quantity:** 0.1 mg **Concentration:** 0.5 mg/ml **Uniprot ID: Q80XS5 NCBI:** 10090 Host: Goat

Synthetic peptide QFPVRKYLEDPRY with a Cysteine residue linker, corresponding to internal Immunogen:

sequence amino acids 30-42 of Mouse Prol1 (NP_032670.2).

Genename: Prol1 AA Sequence: C-QFPVRKYLEDPRY

Format: State: Liquid purified Ig fraction

Purification: Immunoaffinity Chromatography

Buffer System: Tris saline, pH~7.3 Preservatives: 0.02% Sodium Azide

Stabilizers: 0.5% BSA

Peptide ELISA: 1/32000 (Detection limit). **Applications:**

> Western Blot: Preliminary experiments gave an approx 45kDa band in Mouse Eye lysates after 1 µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 33.6kDa according to

NP_032670.2. The 45kDa band was successfully blocked by incubation with the

immunizing peptide.

Immunohistochemistry: Positive staining in the submandibular salivary gland of the

mouse, while cells remain negative in the sublingual salivary gland.

Data provided by winner Melinda Larsen State University of New York, Albany, NY.

Other applications not tested. Optimal dilutions are dependent on conditions and should

be determined by the user.

Specificity: Recognizes Mucin 10 / Prol1

Species Reactivity: Tested: Mouse.

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. **Storage:**

> Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Product Citations: Originator or purchased from resellers:

1. Nelson DA, Manhardt C, Kamath V, Sui Y, Santamaria-Pang A, Can A, et al. Quantitative

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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OG/20160219



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single cell analysis of cell population dynamics during submandibular salivary gland development and differentiation. Biol Open. 2013 Apr 18;2(5):439-47. doi: 10.1242/bio.20134309. Print 2013 May 15. PubMed PMID: 23789091.

Pictures:

Data provided by customer: (2.9ug/ml) staining of cells in the submandibular salivery gland (SMG), but not in the sublingual salivery gland (SLG) in mouse.

