

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

Alternate names:	Alternative names Basic proline rich lacrimal protein, BPLP, Muc10, PRL1, Proline rich 1, submandibular gland salivary mucin
Catalog No.:	TA311390
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Uniprot ID:	Q80XS5
NCBI:	10090
Host:	Goat
Immunogen:	Synthetic peptide QFPVRKYLEDPY with a Cysteine residue linker, corresponding to internal sequence amino acids 30-42 of Mouse Prol1 (NP_032670.2). Genename: Prol1 AA Sequence: C-QFPVRKYLEDPY
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
Applications:	Peptide ELISA: 1/32000 (Detection limit). 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. <i>Data provided by winner Melinda Larsen State University of New York, Albany, NY.</i> 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.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. 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

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 salivary gland (SMG), but not in the sublingual salivary gland (SLG) in mouse.

