Datasheet for ABIN768578

anti-PROL1 antibody (Internal Region)

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Overview

Quantity:	100 µg
Target:	PROL1
Binding Specificity:	Internal Region
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This PROL1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Purpose:	Mucin 10 / Prol1
Immunogen:	Peptide with sequence C-QFPVRKYLEDPRY, from the internal region of the protein sequence according to NP_032670.2.
Sequence:	QFPVRKYLED PRY
Isotype:	IgG
Cross-Reactivity:	Mouse
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

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Target Details

Target:	PROL1
Alternative Name:	Prol1 (PROL1 Products)
Background:	Prol1, proline rich, lacrimal 1, Muc10, mucin 10, mucin 10, submandibular gland salivary mucin
Molecular Weight:	45kDa
Gene ID:	17830
NCBI Accession:	NP_032670

Application Details

Application Notes:	Immunohistochemistry: Positive staining in the submandibular salivary gland of the mouse, while cells remain negative in the sublingual salivary gland. Data provided by Everest Grant winner Melinda Larsen State University of New York, Albany, NY. A publi Western Blot: This antibody has been successfully used in WB on Mouse: Peluso G et al. (2019) J Biol Chem. 2019 Dec 27. pii: jbc.RA119.009807. PMID: 31882545. Peptide ELISA: antibody detection limit dilution 1:32000.
Comment:	**Immunofluorescence:** This antibody has been successfully used in IF on Mouse: Peluso G et al. (2019) J Biol Chem. 2019 Dec 27. pii: jbc.RA119.009807. PMID: 31882545. **Immunoprecipitation:** This antibody has been successfu
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated

Handling

at 4°C for a few weeks and still remain viable.

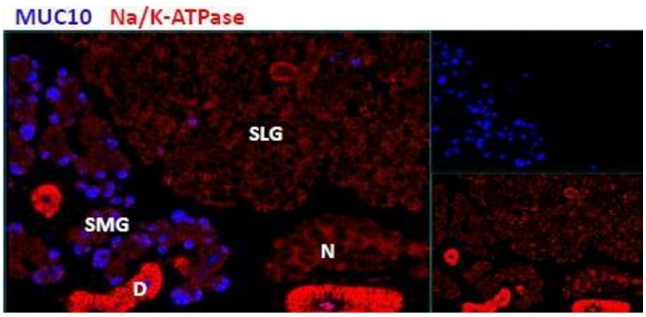
Publications

Product cited in:

Tanaka, Ogawa, Hojo, Kawashima, Mabuchi, Hata, Nakamura, Yasuhara, Takamatsu, Irié, Fukada, Sakai, Inoue, Nishimura, Ohara, Saito, Ohba, Tsuji, Mishima: "Generation of orthotopically functional salivary gland from embryonic stem cells." in: **Nature communications**, Vol. 9, Issue 1, pp. 4216, (2019) (PubMed).

Nelson, Manhardt, Kamath, Sui, Santamaria-Pang, Can, Bello, Corwin, Dinn, Lazare, Gervais, Sequeira, Peters, Ginty, Gerdes, Larsen: "Quantitative single cell analysis of cell population dynamics during submandibular salivary gland development and differentiation." in: **Biology open**, Vol. 2, Issue 5, pp. 439-47, (2013) (PubMed).

Images



Immunohistochemistry

Image 1. ABIN768578 (2.9ug/ml) staining of cells in the submandibular salivary gland (SMG), but not in the sublingual salivery gland (SLG) in mouse.