



EB10617 - Goat Anti-Mucin 10 / Prol1 Antibody

Size: 100µg specific antibody in 200µl



UK Office

Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326

Fax: +44 (0)1869 238327

US Office

Everest Biotech c/o Abcore
405 Maple Street, Suite A106
Ramona,
CA 92065
USA

Inquiries:

info@everestbiotech.com

Sales:

usasales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: 888-320-4628 (toll-free)

Fax: 888-841-9041

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

Target Protein

Principal Names: Prol1, proline rich, lacrimal 1, Muc10, mucin 10, mucin 10, submandibular gland salivary mucin

Official Symbol: Prol1

Accession Number(s): NP_032670.2

Non-Human GeneID(s): 17830 (mouse)

Immunogen

Peptide with sequence C-QFPVRKYLEDPY, from the internal region of the protein sequence according to NP_032670.2.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

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.

IHC: 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 publication from this author includes the use of this antibody: Nelson et al, Biol Open. 2013 Apr 18;2(5):439-47, PMID: 23789091.

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 successfully used in IP on Mouse: Peluso G et al. (2019) J Biol Chem. 2019 Dec 27. pii: jbc.RA119.009807. PMID: 31882545.

Species Reactivity

Tested: Mouse

Expected from sequence similarity: Mouse

Specific References

This antibody has been successfully used in WB, IF and IP on Mouse:

Peluso G, Tian E, Abusleme L, Munemasa T, Mukaibo T, Ten Hagen KG
Loss of the disease-associated glycosyltransferase Galnt3 alters Muc10 glycosylation and the composition of the oral microbiome.

J Biol Chem. 2019 Dec 27. pii: jbc.RA119.009807

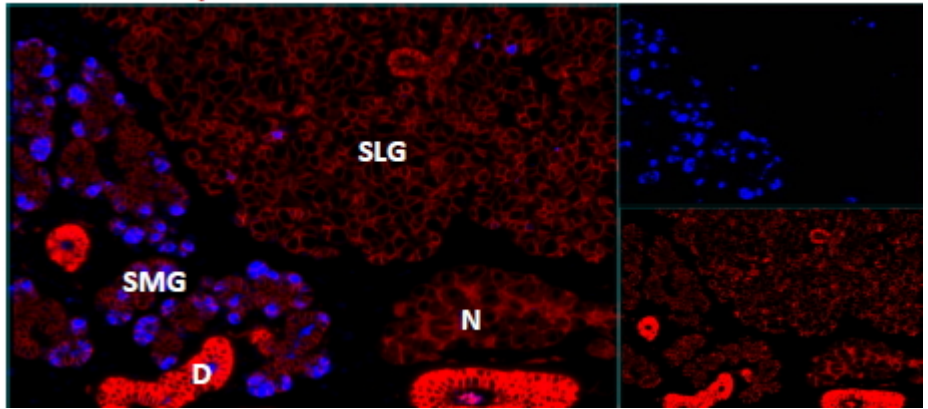
PMID: 31882545

This antibody has been successfully used in IHC on Mouse:

Nelson DA, Manhardt C, Kamath V, Sui Y, Santamaria-Pang A, Can A, Bello M, Corwin A, Dinn SR, Lazare M, Gervais EM, Sequeira SJ, Peters SB, Ginty F, Gerdes MJ, Larsen M.
Quantitative single cell analysis of cell population dynamics during submandibular salivary

gland development and differentiation.
Biol Open. 2013 Apr 18;2(5):439-47.
PMID: 23789091

MUC10 Na/K-ATPase



EB10617 (2.9ug/ml) staining of cells in the submandibular salivary gland (SMG), but not in the sublingual salivary gland (SLG) in mouse.