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EB10629 - Goat Anti-Muc19 / Smgc Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: Smgc, submandibular gland protein C, 2310010P21Rik, DXImx49e, Muc19, Sfc21, OTTMUSP00000022832, neonatal submandibular gland protein C
Official Symbol: Smgc
Accession Number(s): NP_945121.1
Non-Human GeneID(s): 223809 (mouse)

Immunogen

Peptide with sequence C-KLEPKYENPTNGS, from the internal region of the protein sequence according to NP_945121.1.

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.

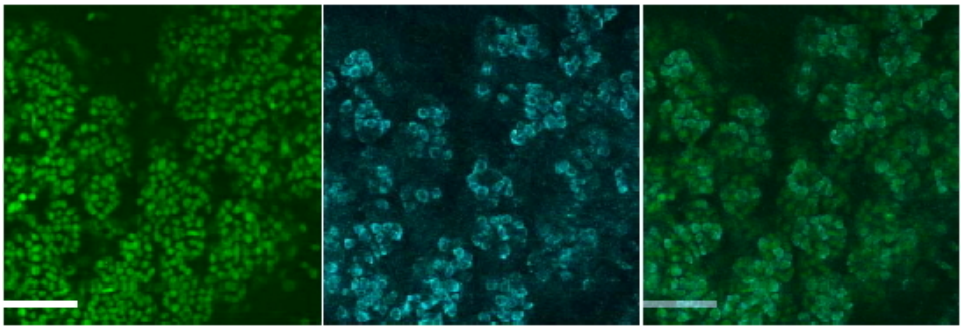
Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.
Western blot: Preliminary experiments gave bands at approx 65kDa and 70kDa in Mouse fetal Lung lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 74.4kDa according to NP_945121.1. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Immunocytochemistry: Positive staining of select epithelial cells in the murine Submanibular gland at E18. Recommended concentration 4ug/ml. Data provided by Everest Grant winner Melinda Larsen, State University of New York, Albany, NY.

Species Reactivity

Tested: Mouse
Expected from sequence similarity: Mouse



EB10629 (4ug/ml) staining of Mouse SubMandibular Gland cells at E18. Nuclear counterstain with DAPI in green.