

#### **International Office**

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# EB10658 - Goat Anti-Muc5b (mouse) Antibody

Size: 100µg specific antibody in 200µl



# **Target Protein**

Principal Names: Muc5b, mucin 5, subtype B, tracheobronchial, 2300002I04Rik,

A130042M24, AV085033, MUC5, MUC9, mucin 5b

Official Symbol: Muc5b

Accession Number(s): NP\_083077.2

Human GenelD(s): 727897

Non-Human GeneID(s): 74180 (mouse), 309114 (rat)

**Important Comments: EB06890** 

## **Immunogen**

Peptide with sequence QHTYTHIDECN, from the internal region of the protein sequence according to NP\_083077.2.

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 1:128000.

Western blot: Not yet tested - our routine western blotting protocol does not allow for the

detection of proteins >250kDa.

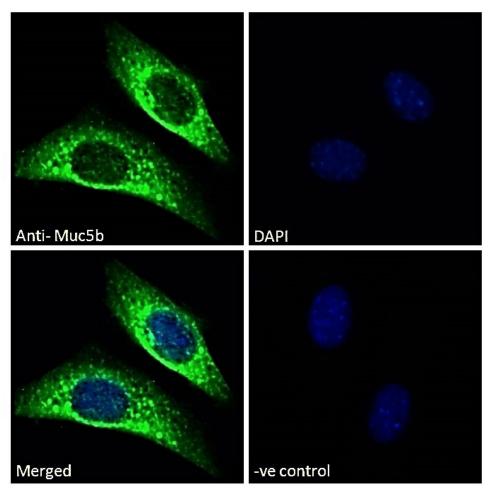
**Immunofluorescence:** Strong expression of the protein seen in vesicles of NIH3T3 cells.

Recommended concentration: 10µg/ml.

### **Species Reactivity**

Tested: Mouse

Expected from sequence similarity: Mouse, Rat



EB10658 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).