Myo18A/Myosin XVIIIA Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_510880.2

Catalog No. A301-598A GenelD 399687

Lot No. A301-598A-1

APPLICATIONS IP

SPECIES REACTIVITY Human 100 μl

CONCENTRATION 1000 μg/ml

STORAGE/SHELF LIFE 2 – 8° C / 1 year from date of receipt

PHYSICAL STATE Liquid

BUFFER Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide

ISOTYPE IgG
ORIGIN USA

PRODUCTION Antibody was affinity purified using an epitope specific to Myo18A/Myosin XVIIIA immobilized on

PROCEDURES solid support.

The epitope recognized by A301–598A maps to a region between residue 2004 and 2054 of

human myosin 18A using the numbering given in entry NP_510880.2 (GeneID 399687).

Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm

of 1.4 equals 1.0 mg of IgG.

APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined

experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot Not recommended. A301–598A has not performed satisfactorily when

used for WB of Myo18A/Myosin XVIIIA in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g.

immunoprecipitated) sources of Myo18A/Myosin XVIIIA.

Immunoprecipitation $2 - 5 \mu g/mg$ lysate

APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. \$100-020).

Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE

(link to IP-western blot protocol in Additional Info section below).

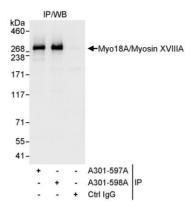
ADDITIONAL INFO https://www.bethyl.com/product/A301-598A

Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019





Detection of human Myo18A/Myosin XVIIIA by western blot of immunoprecipitates. *Samples:* RIPA whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-Myo18A/Myosin XVIIIA antibody A301-598A used for IP at 3 μg/mg lysate. Myo18A/Myosin XVIIIA was also immunoprecipitated by rabbit anti-Myo18A/Myosin XVIIIA antibody A301-597A, which recognizes an upstream epitope. For blotting immunoprecipitated Myo18A/Myosin XVIIIA, A301-597A was used at 1 μg/ml. *Detection:* Chemiluminescence with an exposure time of 1 second.