

Myo18A/Myosin XVIII A Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_510880.2

Catalog No. A301-597A GeneID 399687

Lot No. A301-597A-1



APPLICATIONS	IP
SPECIES REACTIVITY	Human
AMOUNT	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 PROCEDURES	Antibody was affinity purified using an epitope specific to Myo18A/Myosin XVIII A immobilized on solid support.

The epitope recognized by A301-597A maps to a region between residue 300 and 350 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. A301-597A has not performed satisfactorily when used for WB of Myo18A/Myosin XVIII A in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g. immunoprecipitated) sources of Myo18A/Myosin XVIII A.

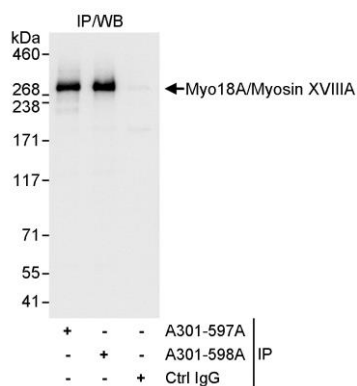
Immunoprecipitation 2 - 5 µg/mg lysate

APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), 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/A301-597A>

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 XVIII A 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 XVIII A antibody A301-597A used for IP at 3 µg/mg lysate. Myo18A/Myosin XVIII A was also immunoprecipitated by rabbit anti-Myo18A/Myosin XVIII A antibody A301-598A, which recognizes a downstream epitope. For blotting immunoprecipitated Myo18A/Myosin XVIII A, A301-597A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 1 second.