

TG2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified	Protein ID	NP_004604.2
Catalog No. A304-229A	GeneID	7052
Lot No. A304-229A-1		



APPLICATIONS WB, 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 TG2 immobilized on solid support.
The epitope recognized by A304-229A maps to a region between residue 625 to 675 of human Transglutaminase 2 using the numbering given in entry NP_004604.2 (GeneID 7052).
Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

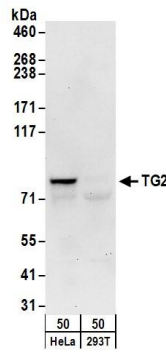
APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot	1:2,000 – 1:10,000
Immunoprecipitation	2 – 10 µg/mg lysate

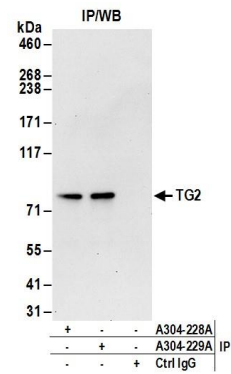
APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).
Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

ADDITIONAL INFO <https://www.bethyl.com/product/A304-229A>
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 TG2 by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa and 293T cells. *Antibodies:* Affinity purified rabbit anti-TG2 antibody A304-229A (lot A304-229A-1) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human TG2 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1 mg for IP; 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-TG2 antibody A304-229A (lot A304-229A-1) used for IP at 6 µg/mg lysate. TG2 was also immunoprecipitated by rabbit anti-TG2 antibody A304-228A. For blotting immunoprecipitated TG2, A304-229A was used at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.