

GATA4 Antibody

Rabbit Polyclonal

Antigen Affinity Purified	Protein ID	NP_002043.2
Catalog No. A303-503A	GeneID	2626
Lot No. A303-503A-2		

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Mouse and Rat
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 GATA4 immobilized on solid support.

The epitope recognized by A303-503A maps to a region between residue 392 and 442 of human GATA Binding Protein 4 using the numbering given in entry NP_002043.2 (GeneID 2626).

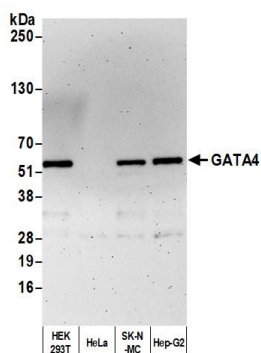
Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

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

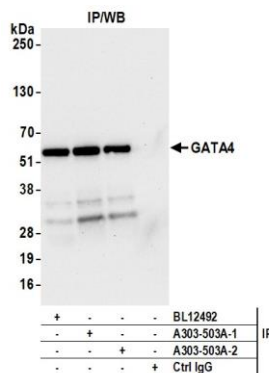
Western Blot	1:10,000 – 1:25,000
Immunoprecipitation	2 – 10 µg/mg lysate
Immunohistochemistry	1:500 – 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

ADDITIONAL INFO <https://www.bethyl.com/product/A303-503A>
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

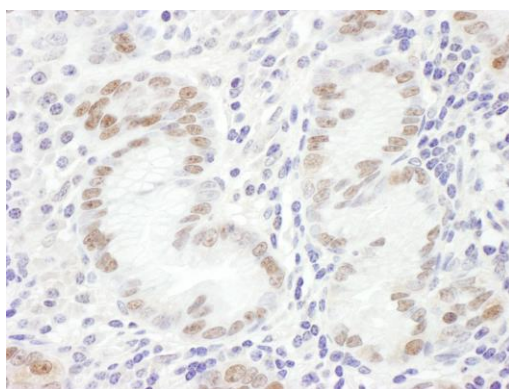
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Michael Spencer, PhD Date: November 3, 2021



Detection of human GATA4 by western blot. *Samples:* Whole cell lysate (10 μ g) from HEK293T, HeLa, SK-N-MC, and Hep-G2 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-GATA4 antibody (A303-503A lot 2) used for WB at 0.04 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human GATA4 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-GATA4 antibody (A303-503A lot 2) used for IP at 6 μ g per reaction. GATA4 was also immunoprecipitated by a previous lot of this antibody (A303-503A lot 1) and a second antibody against a different epitope of GATA4 (BL12492). For blotting immunoprecipitated GATA4, A303-503A was used at 0.04 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



Detection of human GATA4 by immunohistochemistry. *Sample:* FFPE section of human stomach linitis plastica. *Antibody:* Affinity purified rabbit anti-GATA4 (Cat. No. A303-503A Lot1) used at a dilution of 1:1,000 (1 μ g/ml). *Detection:* DAB