

STAT2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_005410.1

Catalog No. A303-512A

GeneID 6773

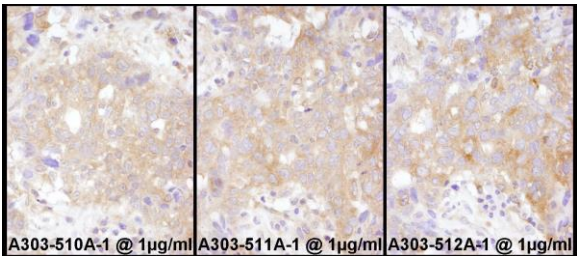
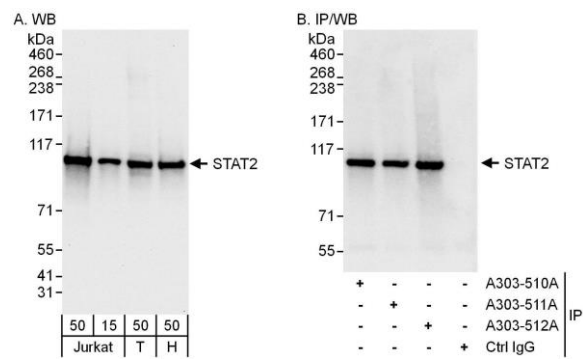
Lot No. A303-512A-1



APPLICATIONS	WB, IP, IHC						
SPECIES REACTIVITY	Human						
AMOUNT	100 µl						
CONCENTRATION	200 µg/ml						
STORAGE/SHELF LIFE	2 – 8° C / 1 year from date of receipt						
PHYSICAL STATE	Liquid						
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide						
ISOTYPE	IgG						
ORIGIN	USA						
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to STAT2 immobilized on solid support. The epitope recognized by A303-512A maps to a region between residue 801 and 851 of human Signal Transducer and Activator of Transcription 2 using the numbering given in entry NP_005410.1 (GeneID 6773). 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. <table><tr><td>Western Blot</td><td>1:2,000 – 1:10,000</td></tr><tr><td>Immunoprecipitation</td><td>2 – 10 µg/mg lysate</td></tr><tr><td>Immunohistochemistry</td><td>1:100 – 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.</td></tr></table>	Western Blot	1:2,000 – 1:10,000	Immunoprecipitation	2 – 10 µg/mg lysate	Immunohistochemistry	1:100 – 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
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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).						
IHC HUMAN CONTROLS	Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE. Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma						
ADDITIONAL INFO	https://www.bethyl.com/product/A303-512A 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 STAT2 by western blot and immunoprecipitation. *Samples:* Whole cell lysate from Jurkat (15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), HEK293T (J; 50 µg) and HeLa (H; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-STAT2 antibody A303-512A used for WB at 0.04 µg/ml (A) and 1 µg/ml (B) and used for IP at 6 µg/mg lysate. STAT2 was also immunoprecipitated by rabbit anti-STAT2 antibodies A303-510A and A303-511A, which recognize upstream epitopes. *Detection:* Chemiluminescence with exposure times of 10 seconds (A) and 3 seconds (B).

Detection of human STAT2 by immunohistochemistry. *Samples:* FFPE serial sections of human ovarian carcinoma. *Antibody:* Affinity purified rabbit anti- STAT2 (Cat. No. A303-510A Lot1, left panel, A303-511A Lot1, middle panel and Cat. No. A303-512A Lot1, right panel) used at a dilution of 1:1,000 (1µg/ml) or 1:200 (1µg/ml). *Detection:* DAB