## STAT3 Recombinant Monoclonal Antibody [BLR098G]

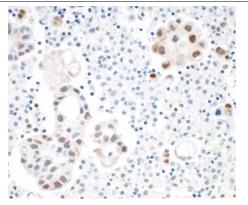
Rabbit Recombinant Monoclonal Purified Catalog No. A700–098			Protein ID	NP_001356441.1	
Catalog No. Lot No.	A700-0		GenelD	6774	BETHYL LABORATORIES, INC
APPLICATIONS		WB, IP, IHC, ICC	2		
SPECIES REACTIVITY		Human, Mouse			
AMOUNT		100 µl (50+ tests)			
CONCENTRATION		1000 μg/ml			
STORAGE/SHELF LIFE		2 - 8° C / 1 year from date of receipt			
PHYSICAL STATE		Liquid			
BUFFER		Borate Buffered Saline (BBS) pH 8.2 with 0.09% Sodium Azide, BSA Free			
ISOTYPE		IgG			
CLONE #		BLR098G			
ORIGIN		USA			
PRODUCTION PROCEDURES		Recombinant antibody was purified from cell culture supernatant.			
		Immunogen was a peptide representing a region between residue 175 and 225 of human signal transducer and activator of transcription 3 (STAT3) using the numbering given in entry NP_001356441.1 (Gene ID 6774).			
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:	1,000	
		Immunoprecipi	tation 6	µl/1 mg lysate	
		Immunohistoch	,	100 to 1:500. Epitope retrieval v commended for FFPE tissue sect	
		Immunocytoch	,	100 to 1:500. Epitope retrieval v commended for FFPE cell sectio	
IHC HUMAN CONTROLS		Breast Carcinoma, Colon Carcinoma, Lung Carcinoma, Melanoma, Ovarian Carcinoma, Prostate Carcinoma, Renal Cell Carcinoma, NCI-H1703 Cells, NCI-H226 Cells, UACC-62 Cells			
IHC MOUSE CONTROLS		Renal Cell Carcinoma, RenCa Cells			
ADDITIONAL INFO		https://www.bethyl.com/product/A700-098 Use the link above to view SDS, a current list of citations, and other product specific information.			

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: January 24, 2020

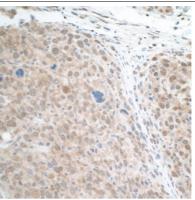
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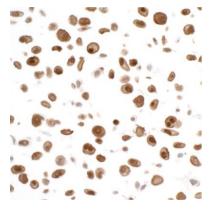
A700-098



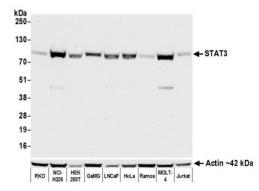
**Detection of human STAT3 in FFPE lung carcinoma by IHC.** *Antibody:* Rabbit anti-STAT3 recombinant monoclonal antibody [BLR098G] (A700-098 lot 1). *Secondary:* HRPconjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.



Detection of mouse STAT3 in FFPE renal cell carcinoma by IHC. *Antibody:* Rabbit anti-STAT3 recombinant monoclonal antibody [BLR098G] (A700-098 lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.



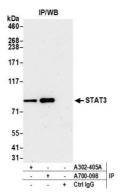
**Detection of human STAT3 in FFPE H226 cells by ICC.** *Antibody:* Rabbit anti-STAT3 recombinant monoclonal antibody [BLR098G] (A700-098 lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.



**Detection of human STAT3 by western blot.** *Samples:* Whole cell lysate (50 µg) from RKO, NCI-H226, HEK293T, GaMG, LNCaP, HeLa, Ramos, MOLT-4, and Jurkat cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-STAT3 recombinant monoclonal antibody [BLR098G] (A700-098 lot 1) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 10 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody [BLR057F] (A700-057).

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## Detection of human STAT3 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from NCI-H226 cells prepared using NETN lysis buffer. *Antibodies:* Rabbit anti-STAT3 recombinant monoclonal antibody [BLR098G] (A700-098 lot 1) used for IP at 6 µl per reaction. STAT3 was also immunoprecipitated by rabbit anti-STAT3 antibody A302-405A. For blotting immunoprecipitated STAT3, A700-098 was used at 1:1000. Chemiluminescence with an exposure time of 30 seconds.

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