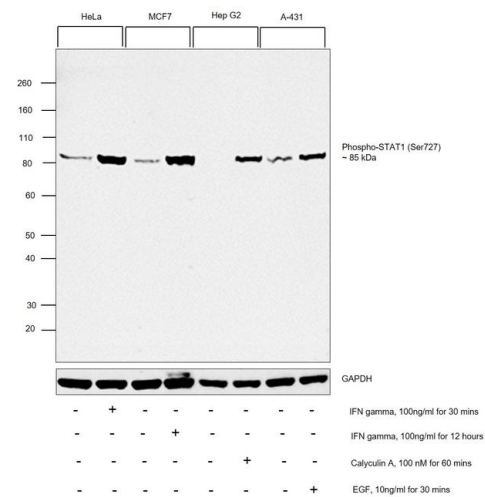


# Phospho-STAT1 (Ser727) Recombinant Rabbit Monoclonal Antibody (2H10)

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	2H10
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-STAT1 (S727)
Form	Liquid
Concentration	0.64 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.4, with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	-20°C or -80°C if preferred
RRID	AB_2812014

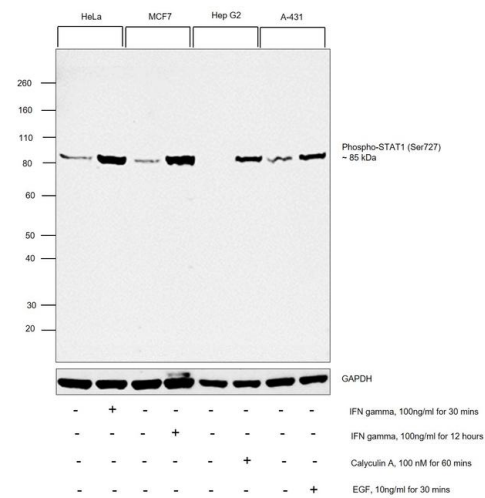
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:5,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:20-1:200	-
ELISA (ELISA)	Assay-Dependent	-

Product Images For Phospho-STAT1 (Ser727) Recombinant Rabbit Monoclonal Antibody (2H10)



Phospho-STAT1 (Ser727) Antibody (MA5-33198)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using Phospho-STAT1 (Ser727) Recombinant Rabbit Monoclonal Antibody (Product # MA5-33198), shows increased expression of proteins in HeLa and MCF7 on IFN gamma treatment, and A-431 upon EGF treatment, and induction of proteins in Hep G2 on Calyculin A treatment. {TM}

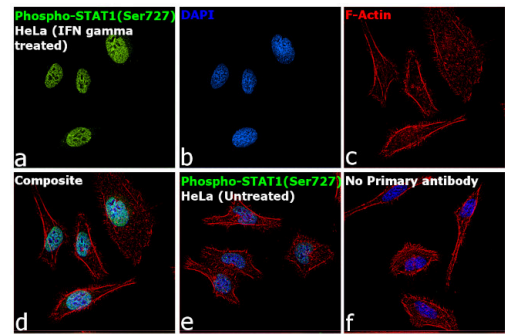


Phospho-STAT1 (Ser727) Antibody (MA5-33198) in WB

Western blot was performed using Anti-Phospho-STAT1 (Ser727) Recombinant Rabbit Monoclonal Antibody (Product # MA5-33198) and a 85 kDa band corresponding to Signal transducer and activator of transcription 1-alpha/beta was observed in HeLa, MCF7 and A-431 cells which increased with IFN gamma and EGF treatments, and was induced in Hep G2 upon Calyculin A treatment. Modified whole cell extracts (1% SDS) (30 µg lysate) of HeLa (Lane 1), HeLa treated with IFN gamma (100 ng/mL for 30 minutes) (Lane 2), MCF7 (Lane 3), MCF7 treated with IFN gamma (100 ng/mL for 12 hours) (Lane 4), Hep G2 (Lane 5), Hep G2 treated with Calyculin A (100 nm for 60 minutes) (Lane 6), A-431 (Lane 7) and A-431 treated with EGF (10 ng/mL for 30 minutes) (Lane 8) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23002) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Reagent Kit (Product # WP20005).

Phospho-STAT1 (Ser727) Antibody (MA5-33198) in ICC/IF

Immunofluorescence analysis of Signal transducer and activator of transcription 1-alpha/beta was performed using 70% confluent log phase HeLa and HeLa cells treated with IFN gamma (100 ng/mL for 30 minutes). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with Phospho-STAT1 (Ser727) Recombinant Rabbit Monoclonal Antibody (Product # MA5-33198) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790), (1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing Nuclear localization. Panel e represents untreated HeLa cells with no signal. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



View more figures on [thermofisher.cn](https://thermofisher.cn)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.