STAT1 Recombinant Polyclonal Antibody (4HCLC)

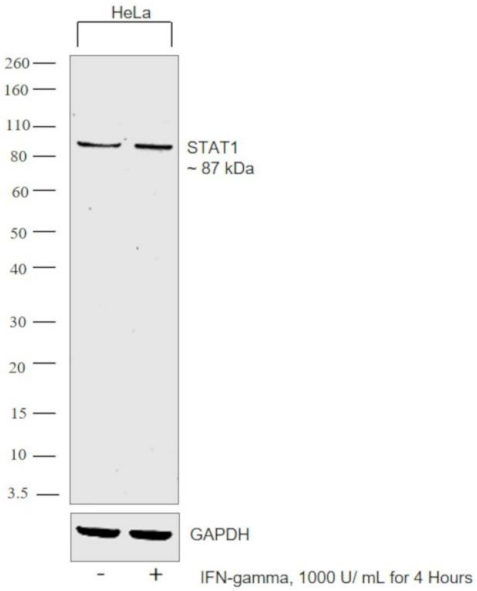
Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Polyclonal
Type	Antibody
Clone	4HCLC
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to amino acids 134-218 of human STAT1
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2532547

Applications	Tested Dilution	Publications
Western Blot (WB)	0.5-1 µg/mL	-
Immunocytochemistry (ICC/IF)	2-4 µg	-
ELISA (ELISA)	Assay-Dependent	-
ChIP assay (ChIP)	3 µg	-

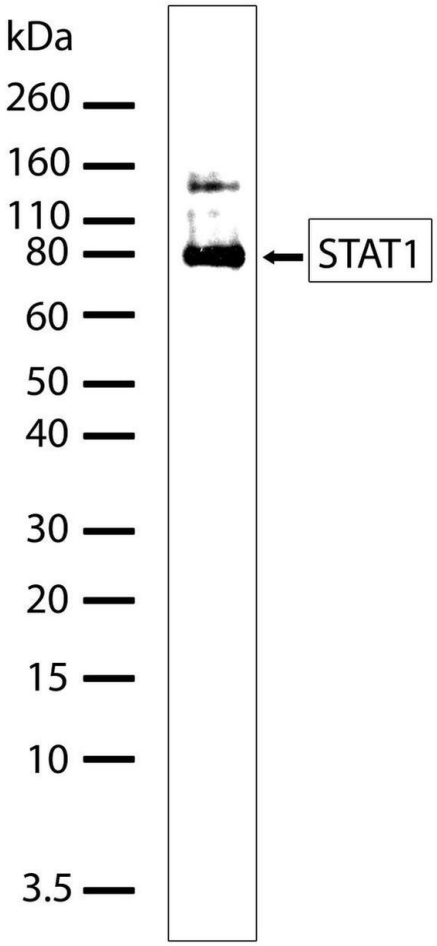
Product Specific Information

Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

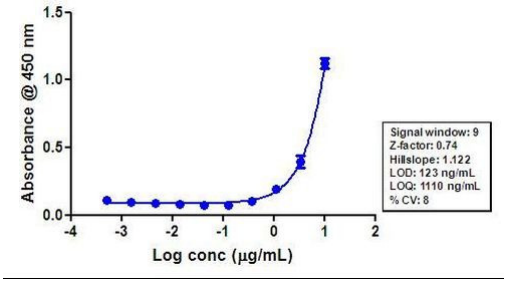
Product Images For STAT1 Recombinant Polyclonal Antibody (4HCLC)



STAT1 Antibody (710078) in WB
Western blot was performed using Anti-STAT1 Recombinant Rabbit Polyclonal Antibody (Product # 710078) and a 87 kDa band corresponding to STAT1 was observed in HeLa cells upon IFN gamma treatment. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), HeLa treated with IFN-gamma (1000u/mL for 4 Hours) (Lane 2) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blots were probed with the primary antibody (0.5 µg /mL) and detected by chemiluminescence Goat anti-Rabbit IgG Secondary Antibody, HRP conjugate (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



STAT1 Antibody (710078) in WB
Western blot analysis of STAT1 in whole cell extract (40 µg) from HeLa cells treated with IFN1a (150 ng/mL, 15 min) using STAT1 Antibody (4HCLC) Recombinant Rabbit Polyclonal (Product # 710078) at a dilution of 5 µg/mL. Detection was performed using an HRP-conjugated Goat anti-Rabbit secondary antibody at a dilution of 1:5000 followed by chemiluminescence (ECL). Results show a band at ~84kDa.



STAT1 Antibody (710078) in ELISA

Indirect ELISA analysis of endogenous STAT1 in HeLa cells treated with IFN1a (150 ng/mL for 15 min) and whole cell lysate (1 µg/well) using STAT1 Antibody (4HCLC) Recombinant Rabbit Polyclonal (Product # 710078) followed by detection using an HRP-conjugated Goat anti-Rabbit secondary antibody (Product # G-21234) and TMB (Product # SB01) as a substrate.

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