

STAT6 recombinant antibody

Phospho-Stat6 (Tyr641) Antibody, Rabbit MAb

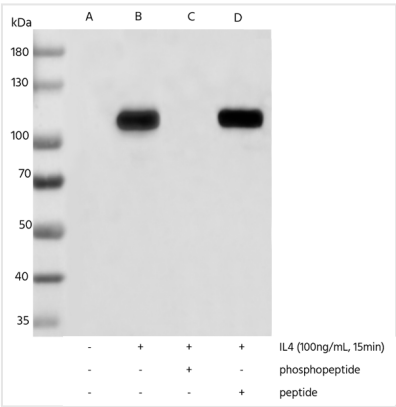
CATALOG # AAA259504	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

Stat6; Monoclonal Recombinant Antibody; Phospho-Stat6 (Tyr641) Antibody; Rabbit MAb; signal transducer and activator of transcription 6; interleukin-4 induced; Anti-D12S1644 Antibody; Anti-HIES6 Antibody; Anti-IL-4-STAT Antibody; Anti-STAT6B Antibody; Anti-STAT6C Antibody; STAT6 recombinant antibody

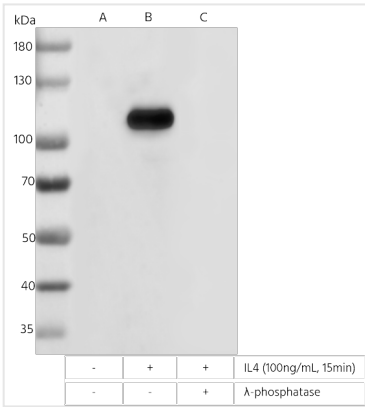
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	0044
Specificity	Human Phospho-Stat6 (Tyr641)
Purity/Purification	Protein A
Form/Format	Liquid; 10 mM sodium HEPES, 150 mM NaCl, 100ug/mL BSA, 50% glycerol, pH 7.5
Applicable Applications for STAT6 recombinant antibody	WB (Western Blot)
Immunogen	A synthetic phosphopeptide corresponding to residues around Tyr641 of the Human Stat6
Preparation	This antibody was obtained from a rabbit immunized with a synthetic phosphopeptide corresponding to residues around Tyr641 of the Human Stat6.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.



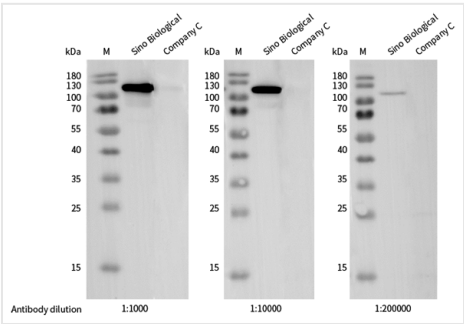
WB (Western Blot)

Western blot analysis of extracts from serum-starved HeLa, untreated (line A); treated with IL4 (Cat # 11846-HNAE)(100ng/mL, 15min), without peptide (line B) or antigen-specific phosphopeptide (line C) or antigen-specific peptide (line D) using Phospho-Stat6 (Tyr641) Antibody, Rabbit MAb (#AAA259504) at 1:10000 dilution. (Validation Experiment)



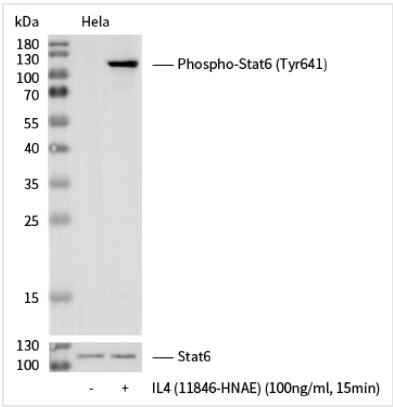
WB (Western Blot)

Western blot analysis of extracts from serum-starved HeLa, untreated (line A); treated with IL4 (Cat # 11846-HNAE)(100ng/mL, 15min)(line B); treated with IL4 and lambda-phosphatase (line C) using Phospho-Stat6 (Tyr641) Antibody, Rabbit MAb (#AAA259504) at 1:10000 dilution. (Validation Experiment)



WB (Western Blot)

Western blot analysis of extracts from serum-starved HeLa, treated with IL4 (100ng/mL, 15 min), using Phospho-Stat6 (Tyr641) Antibody, Rabbit MAb (#AAA259504)(Sino Biological) and other brands' antibodies (Company C) at dilution of 1:1000, 1:10000 and 1:200000.



WB (Western Blot)

Western blot analysis of extracts from serum-starved HeLa, untreated (-) or treated with IL4 (100ng/mL, 15min; +), using Phospho-Stat6 (Tyr641) Antibody, Rabbit MAb (#AAA259504) at 1:10000 dilution (upper) or Anti-STAT6 Antibody, Rabbit PAb at 1:1000 dilution (lower).

ADDITIONAL INFORMATION

Related Product Information for STAT6 recombinant antibody	Signal transducer and activator of transcription 6 (STAT6) is a transcription factor that is activated by interleukin-4 (IL-4)-induced tyrosine phosphorylation and mediates most of the IL-4-induced gene expression. STAT6 plays a central role in exerting interleukin-4 (IL-4) mediated biological responses and is found to induce the expression of BCL2L1/BCL-XL, which is responsible for the anti-apoptotic activity of IL4. Transcriptional activation by STAT6 requires the interaction with coactivators like p300 and the CREB-binding protein (CBP). NF-kappaB and tyrosine-phosphorylated Stat6 can directly bind each other in vitro and in vivo, which suggests that the direct interaction between Stat6 and NF-kappaB may provide a basis for synergistic activation of transcription by IL-4 and activators of NF-kappaB.
Product Categories/Family for STAT6 recombinant antibody	Jak-Stat Signaling Pathway; Apoptosis Transcription Factors and Regulators
References	Litters. CM. e. al. (2001. Transcriptiona. activatio. b. STAT. require. th. direc. interactio. wit. NCoA-1. . Bio. Chem. 27. (49). 45713-21.Stut. AM. e. al. (1999. Functiona. synergis. o. STAT. wit. eithe. NF-kapp. . o. PU.. t. mediat. IL-4- induce. activatio. o. Ig. germlin. gen. transcription. . Immunol. 16. (8). 4383-91.Yan. J. e. al. (2002. Identificatio. o. p10. a. . coactivato. fo. STAT. tha. bridge. STAT. wit. RN. polymeras. II. EMB. J. 2. (18). 4950-8.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.