

Product datasheet

Anti-STAT4 antibody [8/Stat4] ab280213

Recombinant

2 Images

Overview

Product name	Anti-STAT4 antibody [8/Stat4]
Description	Mouse monoclonal [8/Stat4] to STAT4
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Mouse testis, Rat testis tissues.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	8/Stat4
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab280213 in the following tested applications.

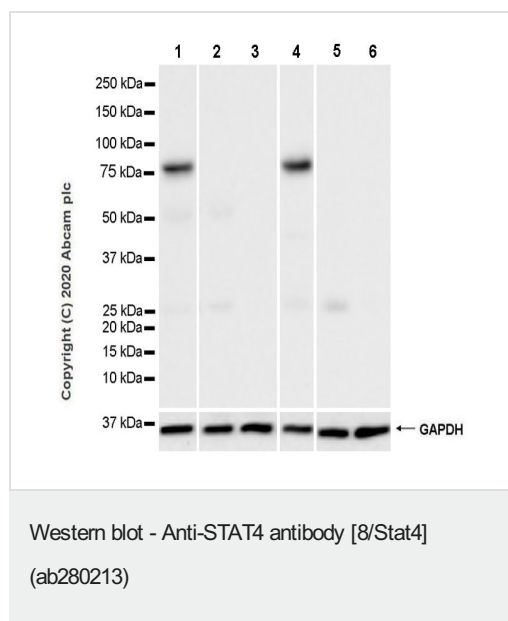
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 85 kDa.

Target

Function	Carries out a dual function: signal transduction and activation of transcription. Involved in IL12 signaling.
Involvement in disease	Systemic lupus erythematosus 11 Rheumatoid arthritis
Sequence similarities	Belongs to the transcription factor STAT family. Contains 1 SH2 domain.
Post-translational modifications	Tyrosine phosphorylated. Serine phosphorylation is also required for maximal transcriptional activity.
Cellular localization	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

Images



All lanes : Anti-STAT4 antibody [8/Stat4] (ab280213) at 1/1000 dilution

Lane 1 : Mouse testis tissue lysate

Lane 2 : Mouse liver tissue lysate

Lane 3 : Mouse brain tissue lysate

Lane 4 : Rat testis tissue lysate

Lane 5 : Rat liver tissue lysate

Lane 6 : Rat brain tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Peroxidase-Conjugated Goat anti-Mouse IgG (H+L) at 1/5000 dilution




Predicted band size: 85 kDa

Blocking and Diluting buffer and concentration: 5% NFDM/TBST

Negative control: liver, brain (PMID: 8007943)

Exposure time: 10 seconds.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-STAT4 antibody [8/Stat4] (ab280213)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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