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Datasheet for ABIN2777897

anti-STAT4 antibody (N-Term)

4 Images

1 Publication

Overview

Quantity:	100 µL
Target:	STAT4
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Pig, Dog, Rabbit, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAT4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human STAT4
Sequence:	IGGPLHNGLD QLQNCFTLLA ESLFQLRRQL EKLEEQSTKM TYEGDPIPMQ
Predicted Reactivity:	Dog: 100%, Horse: 100%, Human: 100%, Mouse: 92%, Pig: 100%, Rabbit: 100%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against STAT4. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	STAT4
Alternative Name:	STAT4 (STAT4 Products)

Target Details

Background:	<p>STAT4 is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells.</p> <p>Alias Symbols: SLEB11</p> <p>Protein Interaction Partner: UBC, ADRB2, TRIM28, FHL1, ZNF467, PIAS2, NMI, IL12RB2, IL12RB1, MAP2K6, STAT4, MAPK14, CREBBP, JUN, STAT3, IFNGR1,</p> <p>Protein Size: 748</p>
Molecular Weight:	86 kDa
Gene ID:	6775
NCBI Accession:	NM_003151 , NP_003142
UniProt:	Q14765
Pathways:	JAK-STAT Signaling

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 748 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

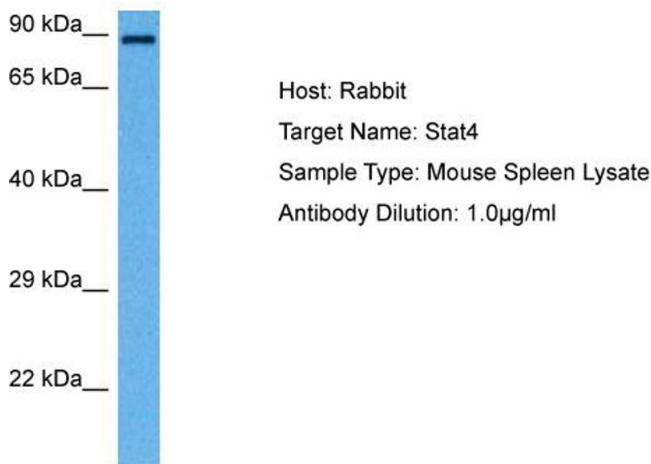
Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

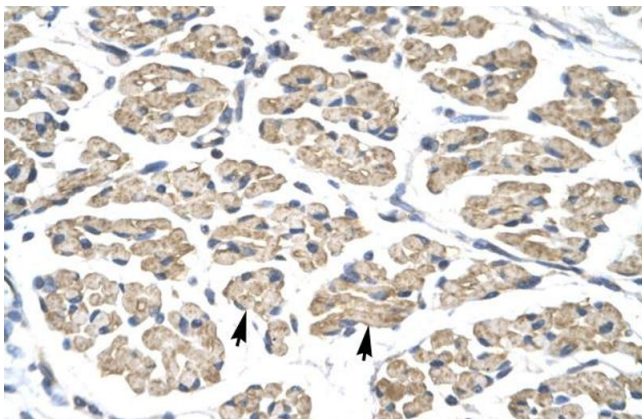
Product cited in: Gerhard, Wagner, Feingold, Shenmen, Grouse, Schuler, Klein, Old, Rasooly, Good, Guyer, Peck, Derge, Lipman, Collins, Jang, Sherry, Feolo, Misquitta, Lee, Rotmistrovsky, Greenhut, Schaefer, Buetow et al.: "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). ..." in: **Genome research**, Vol. 14, Issue 10B, pp. 2121-7, (2004) ([PubMed](#)).

Images



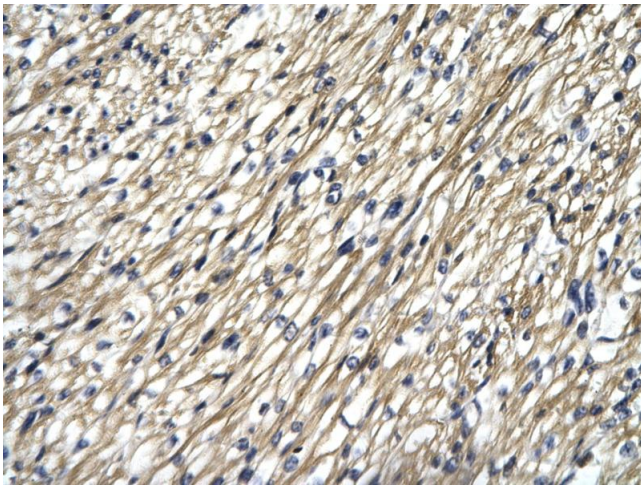
Western Blotting

Image 1. Host: Rabbit Target Name: STAT4 Sample Tissue: Mouse Spleen Antibody Dilution: 1ug/ml



Immunohistochemistry

Image 2. Human Muscle



Immunohistochemistry

Image 3. Rabbit Anti-STAT4 antibody Catalog Number: ARP33376 Paraffin Embedded Tissue: Human Heart cell Cellular Data: cardiac cell of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2777897.