

Datasheet for ABIN2792239

anti-STAT3 antibody (Middle Region)[Go to Product page](#)**3** Images**1** Publication

Overview

Quantity:	100 µL
Target:	STAT3
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Pig, Dog, Horse, Sheep, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAT3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human STAT3
Sequence:	FGKYCRPESQ EHPEADPGSA APYLKTKFIC VTP TTC SNTI DLPMSPTLD
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 93%
Characteristics:	This is a rabbit polyclonal antibody against STAT3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	STAT3
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Target Details

Alternative Name:	STAT3 (STAT3 Products)
Background:	STAT3 is a member of the STAT protein family. 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 a Alias Symbols: APRF, FLJ20882, MGC16063, HIES Protein Interaction Partner: MTOR, GADD45A, BMX, BLK, UBC, SYK, LMO2, SRI, HIC1, GNB2, USP22, RELA, COPS5, BRD4, ADRB2, PSMG3, TBCD, TBC1D15, PUS7, LUC7L2, ARFIP1, IVNS1ABP, MSH2, BMH1, SIN3A, EGFR, PIAS3, HDAC3, SRC, LYN, JAK3, JAK2, HES5, TRIM28, HES1, HCK, FYN, FGR, HNRNPM, SULT2A Protein Size: 770
Molecular Weight:	88 kDa
Gene ID:	6774
NCBI Accession:	NM_139276 , NP_644805
UniProt:	P40763
Pathways:	JAK-STAT Signaling , RTK Signaling , Interferon-gamma Pathway , Neurotrophin Signaling Pathway , Dopaminergic Neurogenesis , Response to Growth Hormone Stimulus , Carbohydrate Homeostasis , Stem Cell Maintenance , Hepatitis C , Protein targeting to Nucleus , Feeding Behaviour , CXCR4-mediated Signaling Events , Signaling of Hepatocyte Growth Factor Receptor

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 770 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

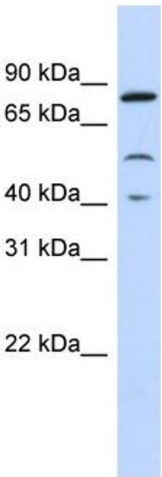
Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
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

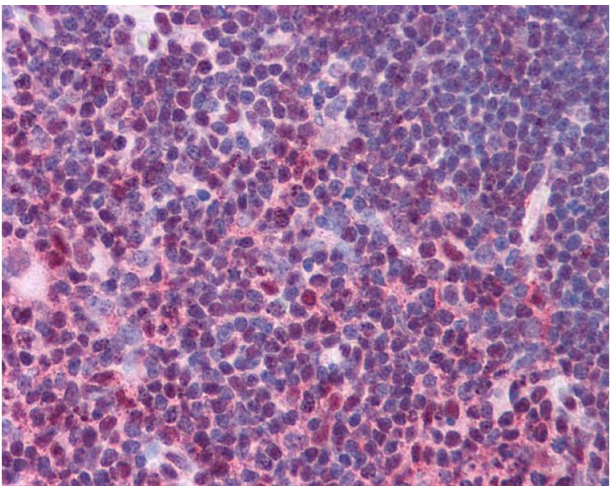
Product cited in:	Suen, Uddin, Prow, Bowen, Hall, Bielefeldt-Ohmann: "Tissue-specific transcription profile of cytokine and chemokine genes associated with flavivirus control and non-lethal neuropathogenesis in rabbits." in: Virology , Vol. 494, pp. 1-14, (2016) (PubMed).
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Images



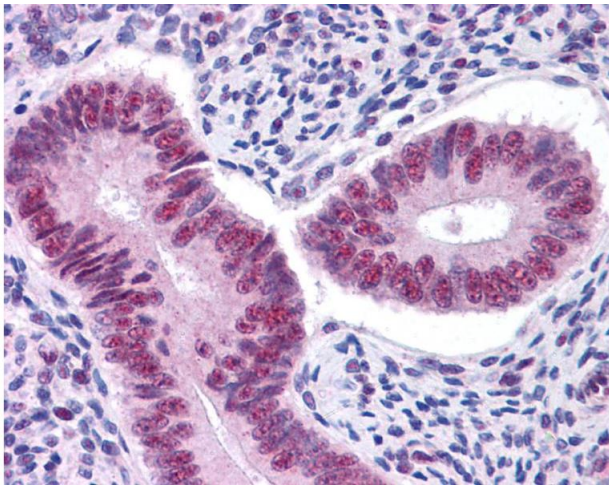
Western Blotting

Image 1. WB Suggested Anti-STAT3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: 721_B cell lysate STAT3 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



Immunohistochemistry

Image 2.



Immunohistochemistry

Image 3.