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# anti-STAT3 antibody (C-Term)



**Images** 



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Quantity:	100 μg	
Target:	STAT3	
Binding Specificity:	C-Term	
Reactivity:	Human, Mouse	
Host:	Goat	
Clonality:	Polyclonal	
Conjugate:	This STAT3 antibody is un-conjugated	
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)	

## **Product Details**

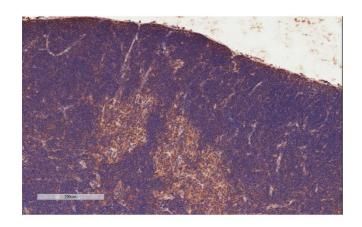
Purpose:	STAT3 (isoform 1 and 2)
Immunogen:	Peptide with sequence DMELTSECATSPM, from the C Terminus of the protein sequence according to NP_003141.2, NP_644805.1.
Sequence:	DMELTSECAT SPM
Isotype:	IgG
Specificity:	This antibody is expected to recognise isoforms 1 and 2 (as represented by NP_644805.1 and NP_003141.2 respectively)
Cross-Reactivity:	Cow, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details		
Grade:	Verified	
Target Details		
Target:	STAT3	
Alternative Name:	STAT3 (STAT3 Products)	
Background:	STAT3, signal transducer and activator of transcription 3 (acute-phase response factor), APRF DNA-binding protein APRF, acute-phase response factor, FLJ20882, MGC16063, HIES	
Gene ID:	6774, 20848, 25125	
NCBI Accession:	NP_003141, NP_644805	
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:	Immunohistochemistry: In paraffin embedded Mouse Thymus shows preferential staining of	
	medula over cortex. Recommended concentration: 4-6 μg/mL.	
	Western Blot: Preliminary testing showed a band at approx 80-85 kDa in A431 nuclear cell	
	lysate after 2 $\mu$ g/mL antibody staining (calculated MW of 80 kDa according to NP_003141.2,	
	and NP_644805.1). Primary incubation 1 hour at room temperature.	
	Peptide ELISA: antibody detection limit dilution 1:8000.	
Comment:	Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HeLa and	
	A431 cells. Recommended concentration: 10µg/ml.	
	Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration:	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	0.5 mg/mL	
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.	

## Handling

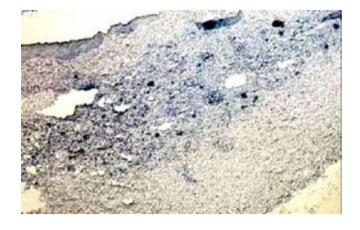
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

#### **Images**



## **Immunohistochemistry**

**Image 1.** ABIN184593 (4µg/ml) staining of paraffin embedded Mouse Thymus. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining.



#### **Immunohistochemistry**

**Image 2.** ABIN184593 overnight staining at 10ug/ml on 4%PFA-fixed mouse thymus. Biotinylated mouse anti-goat then Streptavidin-AP then BCIP/NBT. Data kindly provided by Dr. Marella de Bruijn, MRC Mol. Haematol. Unit, WIMM, JR Hospital, Oxford.



**Image 3.** ABIN184593 (1µg/ml) staining of NIH3T3 lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Please check the product details page for more images. Overall 7 images are available for ABIN184593.