

For Research Use Only

# STAT6 Monoclonal antibody

Catalog Number: 66717-1-Ig **7 Publications**



## Basic Information

<b>Catalog Number:</b> 66717-1-Ig	<b>GenBank Accession Number:</b> BC005823	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 6778	<b>CloneNo.:</b> 2E5B8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P42226	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:1000-1:4000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> signal transducer and activator of transcription 6, interleukin-4 induced	
<b>Immunogen Catalog Number:</b> AG0410	<b>Calculated MW:</b> 100 kDa	
	<b>Observed MW:</b> 95 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IF	<b>WB :</b> HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells, RAW 264.7 cells, K-562 cells
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human appendicitis tissue, human lymphoma tissue
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

STAT6, also named as Signal transducer and activator of transcription 6, is a 847 amino acid protein, which belongs to the transcription factor STAT family. STAT6 forms a homodimer or a heterodimer with a related family member. STAT6 translocates into the nucleus in response to phosphorylation. STAT6 is Involved in IL4/interleukin-4- and IL3/interleukin-3-mediated signaling.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jiapeng Hu	33960626	J Cell Mol Med	WB
Jia Wu	32636842	Front Immunol	IF
Xinying Li	33830841	Immunol Invest	WB

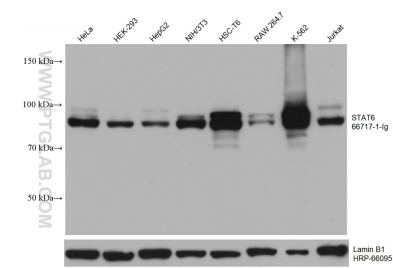
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

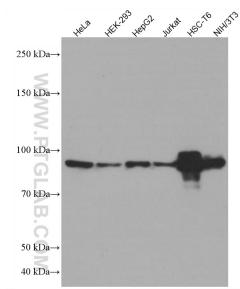
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

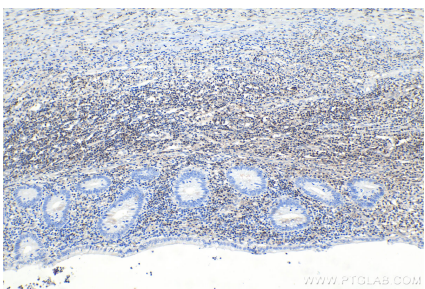
Selected Validation Data



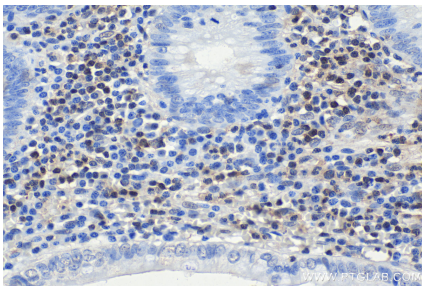
Various lysates were subjected to SDS PAGE followed by western blot with 66717-1-Ig (STAT6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.



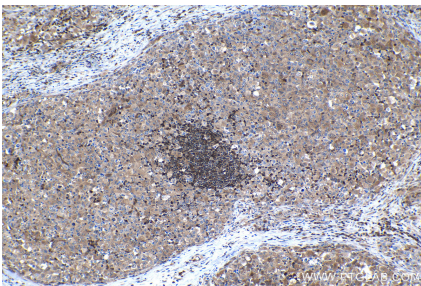
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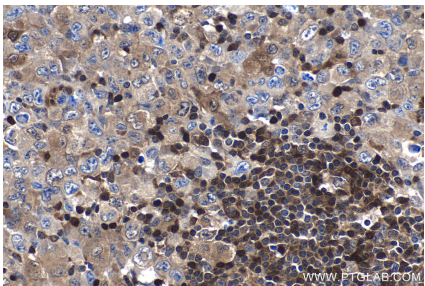
Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 66717-1-Ig (STAT6 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 66717-1-Ig (STAT6 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 66717-1-Ig (STAT6 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 66717-1-Ig (STAT6 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).