

Nur für Forschungszwecke

# STAT5A Polyklonaler Antikörper

Katalog-Nr.: 13179-1-AP

Vorgestelltes Produkt

15 Publikationen



## Allgemeine Informationen

**Katalog-Nr.:**  
13179-1-AP

**Größe:**  
150ul, Konzentration: 400 µg/ml von Nanodrop und 207 µg/ml durch die Bradford-Methode mit BSA als Standard;

**Wirt:**  
Kaninchen

**Isotyp:**  
IgG

**Immunogen Katalognummer:**  
AG3846

**GenBank-Zugangsnummer:**  
BC027036

**GeneID (NCBI):**  
6776

**Vollständiger Name:**  
signal transducer and activator of transcription 5A

**Berechnete Masse:**  
794 aa, 92 kDa

**Beobachtete Masse:**  
90-95 kDa, 50-55 kDa

**Reinigungsmethode:**

Antigen-Affinitätsreinigung

**Empfohlene Verdünnungen:**

WB 1:500-1:2000  
IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB  
IHC 1:50-1:500

## Anwendungen

**Geprüfte Anwendungen:**

FC, IHC, IP, WB, ELISA

**In Publikationen genannte Anwendungen:**

IF, IHC, WB

**Getestete Reaktivität:**

Human, Maus, Ratte

**Zitierte Arten:**

Human, Maus, Ratte, Rind, Kuh

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

**Positivkontrollen:**

**WB:** Daudi-Zellen, 3T3-L1-Zellen, DU 145-Zellen, K-562-Zellen, SGC-7901-Zellen

**IP:** 3T3-L1-Zellen,

**IHC:** humanes Mammakarzinomgewebe, humanes Zervixkarzinomgewebe

## Hintergrundinformationen

STAT5A, also named as STAT5, belongs to the transcription factor STAT 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 as transcription activators. STAT5A is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of STAT5A in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for the tumorigenesis. The mouse counterpart of human STAT5A is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of STAT5A in cells. This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human STAT5A.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yuezhu Zhang	31491605	Ecotoxicol Environ Saf	WB
Xiaolei Shi	36217946	J Agric Food Chem	WB
Xiaodi Gong	36524006	Front Oncol	IHC, WB

## Lagerung

**Lagerungsbedingungen:**

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

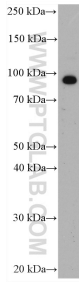
Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

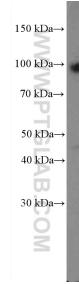
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

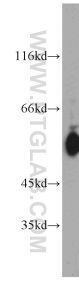
## Ausgewählte Validierungsdaten



Daudi cells were subjected to SDS PAGE followed by western blot with 13179-1-AP (STAT5A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



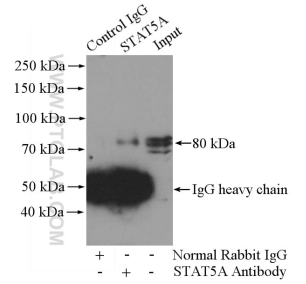
K-562 cells were subjected to SDS PAGE followed by western blot with 13179-1-AP (STAT5A Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



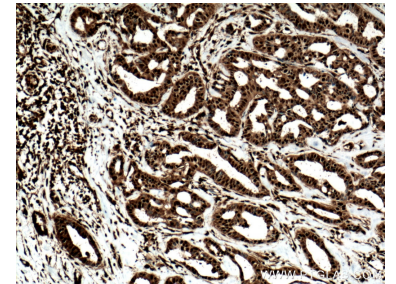
3T3-L1 cells were subjected to SDS PAGE followed by western blot with 13179-1-AP (STAT5A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



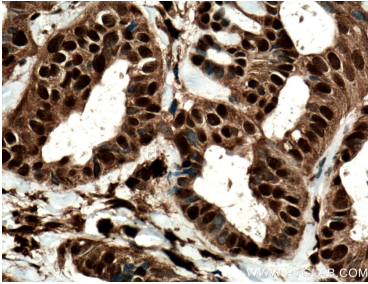
DU 145 cells were subjected to SDS PAGE followed by western blot with 13179-1-AP (STAT5A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



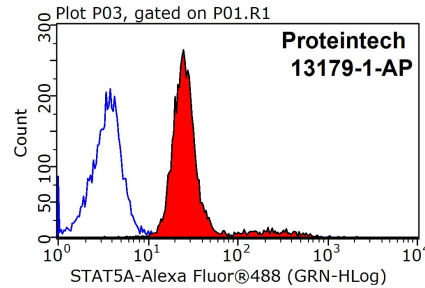
IP Result of anti-STAT5A (IP:13179-1-AP, 4ug; Detection:13179-1-AP 1:1000) with 3T3-L1 cells lysate 3200ug.



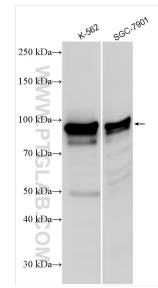
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 13179-1-AP (STAT5A antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 13179-1-AP (STAT5A antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> MCF-7 cells were stained with 0.2ug STAT5A antibody (13179-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.



Various lysates were subjected to SDS PAGE followed by western blot with 13179-1-AP (STAT5A antibody) at dilution of 1:7000 incubated at room temperature for 1.5 hours.