

Allgemeine Informationen

Katalog-Nr.:
12071-1-AP

Größe:
150ul, Konzentration: 450 µg/ml von
Nanodrop und 140 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG2709

GenBank-Zugangsnummer:
BC020868

GeneID (NCBI):
6777

Vollständiger Name:
signal transducer and activator of
transcription 5B

Berechnete Masse:
787 aa, 90 kDa

Beobachtete Masse:
90 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:1000-1:6000

IP 0.5-4.0 µg für IP und 1:500-1:1000
für WB

IHC 1:50-1:500

IF 1:10-1:100

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IP, WB

Getestete Reaktivität:

Human

Zitierte Arten:

Maus, Ratte

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

Positivkontrollen:

WB: HeLa-Zellen, Jurkat-Zellen, K-562-Zellen, MOLT-4-
Zellen, Multizellen

IP: HeLa-Zellen,

IHC: humanes Zervixkarzinomgewebe, humanes
Lungenkarzinomgewebe, humanes
Mammakarzinomgewebe

IF: HepG2-Zellen,

Hintergrundinformationen

STAT5B 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. STAT5B carries out a dual function: signal transduction and activation of transcription. STAT5B mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. Although this antibody is a rabbit polyclonal antibody raised against residues near the N terminus of human STAT5B, the homology between this segment and the corresponding segment of human STAT5 is 99%. It shows that this antibody can cross-react with STAT5A.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Huan Ge	36306591	Biomed Pharmacother	WB
Furong Zhang	26493931	Toxicol Appl Pharmacol	WB, IP, IF
Dong Ma	27856242	Biochem Biophys Res Commun	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**

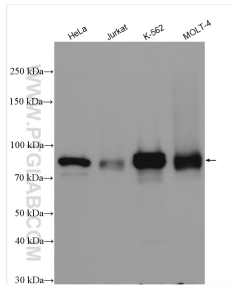
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

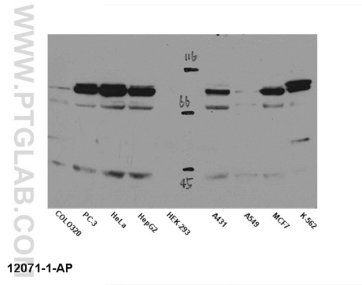
E: proteintech@ptglab.com
W: ptglab.com

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Group brand and is not available to purchase from any
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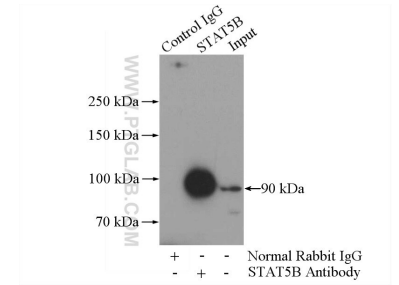
Ausgewählte Validierungsdaten



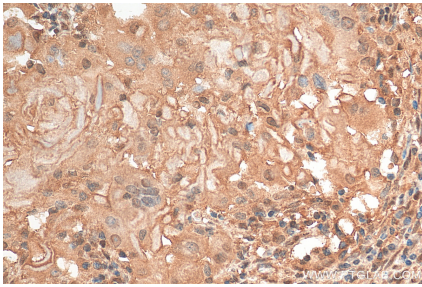
Various lysates were subjected to SDS PAGE followed by western blot with 12071-1-AP (STAT5A/B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



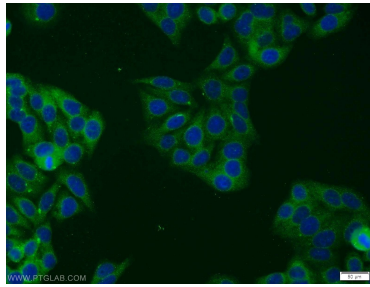
WB result of anti-STAT5A/B (12071-1-AP) in different cell lysates.



IP Result of anti-STAT5A/B (IP:12071-1-AP, 4ug; Detection:12071-1-AP 1:500) with HeLa cells lysate 1200ug.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 12071-1-AP (STAT5A/B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells using 12071-1-AP (STAT5A/B antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).