

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 20118-1-AP	<b>GenBank-Zugangsnummer:</b> BC013923	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 400 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 6657	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:3000 IHC 1:50-1:500 IF 1:50-1:500
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> SRY (sex determining region Y)-box 2	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 34 kDa	
<b>Immunogen Katalognummer:</b> AG13635	<b>Beobachtete Masse:</b> 34-40 kDa	

## Anwendungen

## Geprüfte Anwendungen:

FC, IF, IHC, WB, ELISA

## In Publikationen genannte Anwendungen:

IF, IHC, WB

## Getestete Reaktivität:

Human, Maus, Ratte

## Zitierte Arten:

Huhn, Human, Maus

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

## Positivkontrollen:

**WB:** Maushirngewebe, Mausembryogewebe, Rattenhirngewebe, Transfizierte HEK-293-Zellen

**IHC:** Mausembryogewebe, Maushirngewebe

**IF:** Maushirngewebe, Mausembryogewebe

## Hintergrundinformationen

Sox2, also known as SRY (sex determining region Y)-box 2, is a transcription factor essential for maintaining self-renewal of undifferentiated ES cells and is one of the key transcription factors used to reprogram mouse and human fibroblasts to a pluripotent state. Sox2 expressed in undifferentiated pluripotent stem cells and germ cells during development. Affinity purified rabbit anti-Sox2 antibody can be used to demonstrate pluripotency of ES and iPS cells. This antibody is a rabbit polyclonal antibody raised against an internal region of human SOX2. a rare undifferentiated cell population that is intermingled with the Bergmann glia of the adult murine cerebellar cortex, expresses the stem cell markers Sox2 and Nestin, and lacks markers of glial or neuronal differentiation. Sox2-expressing neural stem cells in the subgranular zone (SGZ), a well-known stem cell niche of the adult brain.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jun Zhang	36075559	Cell Signal	IHC
Zhenfei Wang	24889513	J Cell Mol Med	WB
Eveljn Scarian	35628156	Int J Mol Sci	IF

## 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

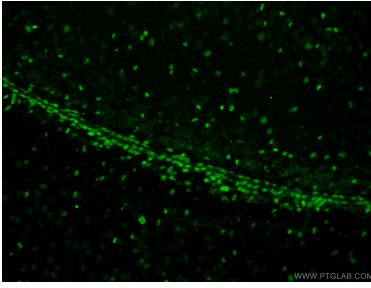
For technical support and original validation data for this product please contact:

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

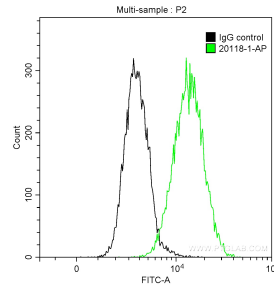
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Ausgewählte Validierungsdaten



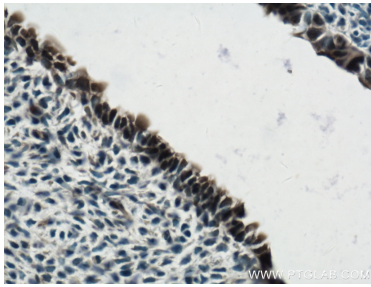
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 20118-1-AP (SOX2 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



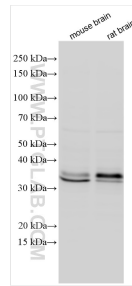
$1 \times 10^6$  NCCIT cells were intracellularly stained with 0.5  $\mu$ g Anti-Human SOX2 (20118-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.5  $\mu$ g Control Antibody. Cells were fixed with 90% MeOH.



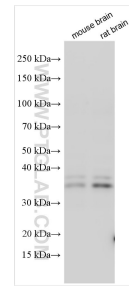
mouse brain tissue were subjected to SDS PAGE followed by western blot with 20118-1-AP (SOX2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse embryo tissue slide using 20118-1-AP (SOX2 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 20118-1-AP (SOX2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 20118-1-AP (SOX2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.