

**SOX11 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16147a****Specification**

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**SOX11 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P35716</a>
Other Accession	<a href="#">P48435</a> , <a href="#">NP_003099.1</a>
Reactivity	Human, Rat
Predicted	Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	46679
Antigen Region	103-132

**SOX11 Antibody (N-term) - Additional Information****Gene ID** 6664**Other Names**

Transcription factor SOX-11, SOX11

**Target/Specificity**

This SOX11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 103-132 amino acids from the N-terminal region of human SOX11.

**Dilution**

WB~~1:2000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SOX11 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SOX11 Antibody (N-term) - Protein Information****Name** SOX11**Function** Transcription factor that acts as a transcriptional activator (PubMed:[24886874](#),

PubMed:[26543203](#)). Binds cooperatively with POU3F2/BRN2 or POU3F1/OCT6 to gene promoters, which enhances transcriptional activation (By similarity). Acts as a transcriptional activator of TEAD2 by binding to its gene promoter and first intron (By similarity). Plays a redundant role with SOX4 and SOX12 in cell survival of developing tissues such as the neural tube, branchial arches and somites, thereby contributing to organogenesis (By similarity).

#### Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00267, ECO:0000269|PubMed:24886874, ECO:0000269|PubMed:35938035}

#### Tissue Location

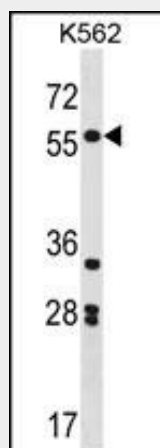
Expressed primarily in the brain and heart, with low expression in the kidney, pancreas and muscle

### SOX11 Antibody (N-term) - Protocols

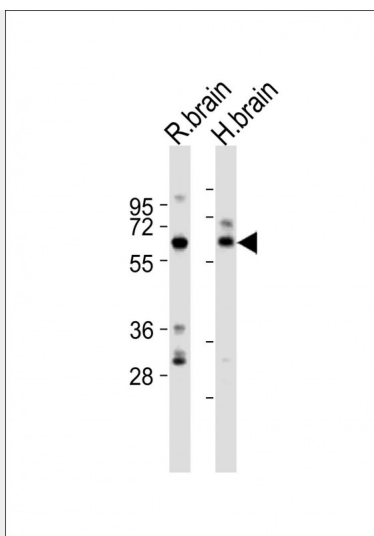
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### SOX11 Antibody (N-term) - Images



SOX11 Antibody (N-term) (Cat. #AP16147a) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the SOX11 antibody detected the SOX11 protein (arrow).



All lanes : Anti-SOX11 Antibody (N-term) at 1:2000 dilution Lane 1: rat brain lysates Lane 2: human brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 47 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### **SOX11 Antibody (N-term) - Background**

This intronless gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins. The protein may function in the developing nervous system and play a role in tumorigenesis.

### **SOX11 Antibody (N-term) - References**

Kottgen, A., et al. Nat. Genet. 42(5):376-384(2010)  
Fernandez, V., et al. Cancer Res. 70(4):1408-1418(2010)  
Dictor, M., et al. Haematologica 94(11):1563-1568(2009)  
Mozos, A., et al. Haematologica 94(11):1555-1562(2009)  
Hide, T., et al. Cancer Res. 69(20):7953-7959(2009)