Product Name: **Sox-12 Rabbit Polyclonal Antibody**
Catalog #: **APRab18129**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Molecular Weight	

Antigen Information

Gene Name	SOX12
Alternative Names	SOX12; SOX22; Transcription factor SOX-12; Protein SOX-22
Gene ID	6666.0
SwissProt ID	O15370
Immunogen	The antiserum was produced against synthesized peptide derived from human SOX12. AA range:71-120

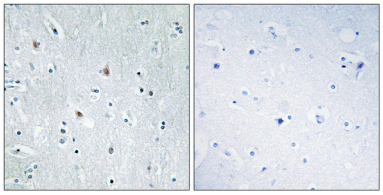
Background

Members of the SOX family of transcription factors are characterized by the presence of a DNA-binding high mobility group

(HMG) domain, homologous to the HMG box of sex-determining region Y (SRY). Forming a subgroup of the HMG domain superfamily, SOX proteins have been implicated in cell fate decisions in a diverse range of developmental processes. SOX transcription factors have diverse tissue-specific expression patterns during early development and have been proposed to act as target-specific transcription factors and/or as chromatin structure regulatory elements. The protein encoded by this gene was identified as a SOX family member based on conserved domains, and its expression in various tissues suggests a role in both differentiation and maintenance of several cell types. [provided by RefSeq, Jan 2013],function:Binds to the sequence 5'-AACAAT-3'.,similarity:Contains 1 HMG box DNA-binding domain.,tissue specificity:Expressed most abundantly in the CNS. Also expressed in fetal brain and kidney and adult heart, pancreas, testis and ovary. Other tissues were only weakly positive.,

Research Area

Image Data



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using SOX12 Antibody. The picture on the right is blocked with the synthesized peptide.