

## Sox-12 Polyclonal Antibody

<b>Catalog No :</b>	YT4368
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	Sox-12
<b>Gene Name :</b>	SOX12
<b>Protein Name :</b>	Transcription factor SOX-12
<b>Human Gene Id :</b>	6666
<b>Human Swiss Prot No :</b>	O15370
<b>Mouse Gene Id :</b>	20667
<b>Mouse Swiss Prot No :</b>	Q04890
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human SOX12. AA range:71-120
<b>Specificity :</b>	Sox-12 Polyclonal Antibody detects endogenous levels of Sox-12 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

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**Molecularweight :** 34kD

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**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],

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**Function :** function: Binds to the sequence 5'-AACAAAT-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. ,

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**Subcellular Location :** Nucleus .

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**Expression :** Expressed most abundantly in the CNS (PubMed:9215677). Expressed in the heart, pancreas, thymus, testis and ovary (PubMed:9215677). Weakly expressed in brain, placenta, lung, liver, skeletal muscle, kidney, spleen, prostate, small intestine, colon, and peripheral blood lymphocytes (PubMed:9215677).

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**Sort :** 16512

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**No4 :** 1

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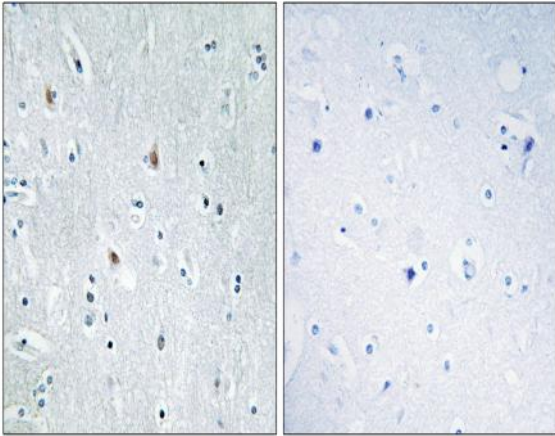
**Host :** Rabbit

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**Modifications :** Unmodified

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**Products Images**



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