

**ARG55931**  
**anti-SOX4 antibody**Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SOX4
Tested Reactivity	Hu
Tested Application	FACS, IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SOX4
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 86-114 (N-terminus) of Human SOX4.
Conjugation	Un-conjugated
Alternate Names	Transcription factor SOX-4; EVI16

### Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	IHC-P	1:50 - 1:100
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

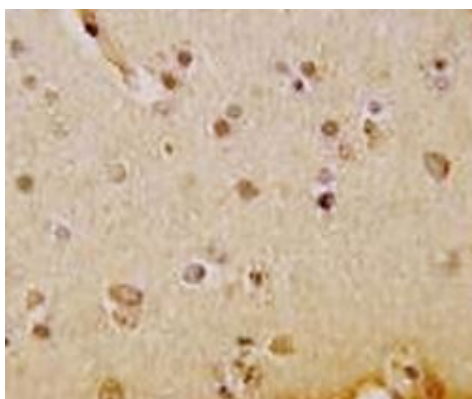
### Properties

Form	Liquid
Purification	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

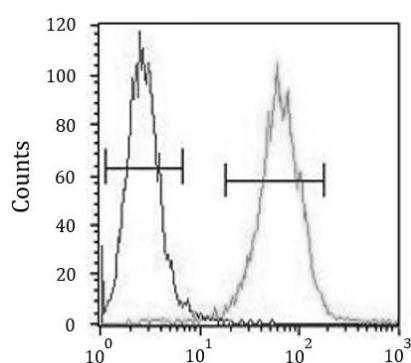
Database links	<a href="#">GeneID: 6659 Human</a> <a href="#">Swiss-port # Q06945 Human</a>
Gene Symbol	SOX4
Gene Full Name	SRY (sex determining region Y)-box 4
Background	<p>This intronless gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation 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, such as syndecan binding protein (syntenin). The protein may function in the apoptosis pathway leading to cell death as well as to tumorigenesis and may mediate downstream effects of parathyroid hormone (PTH) and PTH-related protein (PTHrP) in bone development. The solution structure has been resolved for the HMG-box of a similar mouse protein. [provided by RefSeq, Jul 2008]</p>
Function	Transcriptional activator that binds with high affinity to the T-cell enhancer motif 5'-AACAAAG-3' motif. [UniProt]
Calculated Mw	47 kDa
Cellular Localization	Nucleus

## Images



ARG55931 anti-SOX4 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human brain stained with ARG55931 anti-SOX4 antibody.



ARG55931 anti-SOX4 antibody FACS image

Flow Cytometry: A2058 cells stained with ARG55931 anti-SOX4 antibody (right histogram) or without primary antibody control (left histogram), followed by incubation with FITC labelled secondary antibody.