

ARG55208 anti-SOX2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SOX2
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SOX2
Species	Mouse
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 6-39 (N-terminus) of Mouse SOX2.
Conjugation	Un-conjugated
Alternate Names	Transcription factor SOX-2; MCOPS3; ANOP3

Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	NCCIT	

Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
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	GeneID: 20674 Mouse
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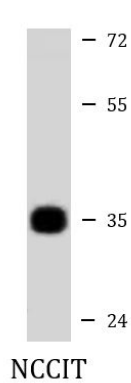
[GeneID: 6657 Human](#)

[Swiss-port # P48431 Human](#)

[Swiss-port # P48432 Mouse](#)

Gene Symbol	Sox2
Gene Full Name	SRY (sex determining region Y)-box 2
Function	Transcription factor that forms a trimeric complex with OCT4 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. Critical for early embryogenesis and for embryonic stem cell pluripotency. May function as a switch in neuronal development. Downstream SRRT target that mediates the promotion of neural stem cell self-renewal. Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation (By similarity). [UniProt]
Research Area	Developmental Biology antibody; Gene Regulation antibody; Neuroscience antibody
Calculated Mw	34 kDa
PTM	Sumoylation inhibits binding on DNA and negatively regulates the FGF4 transactivation.
Cellular Localization	Nucleus {ECO:0000255 PROSITE- ProRule:PRU00267, ECO:0000269 PubMed:17097055}

Images



ARG55208 anti-SOX2 antibody WB image

Western blot: 20 µg of NCCIT cell lysate stained with ARG55208 anti-SOX2 antibody at 1:1000 dilution.