

ARG56133
anti-SOX17 antibodyPackage: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SOX17
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SOX17
Species	Mouse
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 353-387 (C-terminus) of Mouse SOX17.
Conjugation	Un-conjugated
Alternate Names	VUR3; Transcription factor SOX-17

Application Instructions

Application table	Application	Dilution
	IHC-P	1:25
	WB	1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse testis	

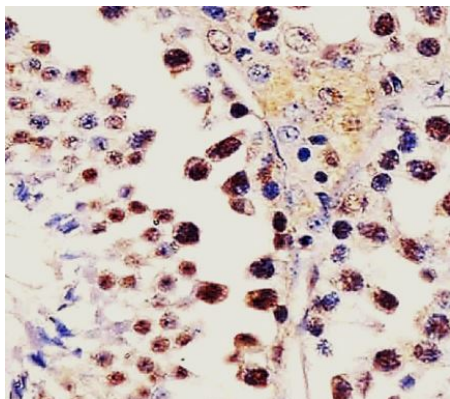
Properties

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

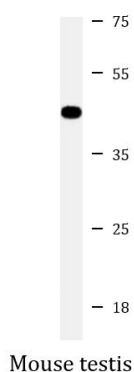
Database links	GeneID: 20671 Mouse
	GeneID: 64321 Human
	Swiss-port # Q61473 Mouse
	Swiss-port # Q9H6I2 Human
Gene Symbol	Sox17
Gene Full Name	SRY (sex determining region Y)-box 17
Background	This gene encodes a member of the Sox (Sry-related high mobility group box) family of transcription factors involved in the regulation of embryonic development. The encoded protein plays a role in the determination of cell fate and in maintaining cell identity. This gene regulates tumor angiogenesis and tumor progression. Mutations in the human gene are associated with vesicoureteral reflux, characterized by the backward flow of urine from the bladder into the ureters or the kidney. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]
Function	Acts as transcription regulator that binds target promoter DNA and bends the DNA. Binds to the sequences 5'-AACAAT-3' or 5'-AACAAAG-3'. Modulates transcriptional regulation via WNT3A. Inhibits Wnt signaling. Promotes degradation of activated CTNNB1. Plays a key role in the regulation of embryonic development. Required for normal looping of the embryonic heart tube. Required for normal development of the definitive gut endoderm. Probable transcriptional activator in the premeiotic germ cells. Isoform 2 (T-SOX17) shows no DNA-binding activity. [UniProt]
Calculated Mw	44 kDa
Cellular Localization	Nucleus

Images



ARG56133 anti-SOX17 antibody IHC-P image

Immunohistochemistry: Paraformaldehyde-fixed and paraffin-embedded Mouse testis stained with ARG56133 anti-SOX17 antibody at 1:25 dilution (1 hour, 37°C). Tissue was blocked with 3% BSA for 0.5 hour at RT. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0).



ARG56133 anti-SOX17 antibody WB image

Western blot: 20 µg of Mouse testis lysate stained with ARG56133 anti-SOX17 antibody at 1:2000 dilution.