

# (Mouse) Sox15 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21013c

## Product Information

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Application	WB, E
Primary Accession	<a href="#">P43267</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51530
Calculated MW	25311

## Additional Information

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Gene ID	20670
Other Names	Protein SOX-15, Sox15, Sox-15
Target/Specificity	This (Mouse) Sox15 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 152-165 amino acids from the C-terminal region of human (Mouse) Sox15.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	(Mouse) Sox15 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	Sox15 {ECO:0000312   MGI:MGI:98363}
Function	Transcription factor that binds to DNA at the 5'-AACAAATG-3' consensus sequence (PubMed: <a href="#">10821863</a> , PubMed: <a href="#">15863505</a> , PubMed: <a href="#">16759287</a> , PubMed: <a href="#">17363903</a> ). Acts as a transcriptional activator and repressor (PubMed: <a href="#">10821863</a> , PubMed: <a href="#">15863505</a> , PubMed: <a href="#">16759287</a> ). Binds synergistically with POU5F1 (OCT3/4) to gene promoters (PubMed: <a href="#">15863505</a> ). Binds to the FOXP1 promoter and recruits FHL3, resulting in transcriptional

activation of FOXK1 which leads to myoblast proliferation (PubMed:[17363903](#)). Acts as an inhibitor of myoblast differentiation via transcriptional repression which leads to down-regulation of the muscle-specific genes MYOD and MYOG (PubMed:[10821863](#)). Involved in trophoblast giant cell differentiation via enhancement of HAND1 transcriptional activity (PubMed:[16759287](#)). Regulates transcription of HRC via binding to its proximal enhancer region (PubMed:[15863505](#)). Involved in skeletal muscle regeneration (PubMed:[15367664](#), PubMed:[17363903](#)). Also plays a role in the development of myogenic precursor cells (PubMed:[15367664](#)).

#### Cellular Location

Nucleus {ECO:0000255 | PROSITE-ProRule:PRU00267, ECO:0000269 | PubMed:10821863, ECO:0000269 | PubMed:15367664, ECO:0000269 | PubMed:17363903}

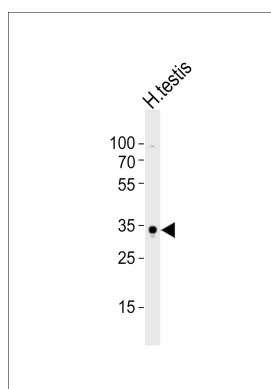
#### Tissue Location

Expressed in myoblasts (at protein level) (PubMed:15367664). Expressed in embryonic stem cells (at protein level) (PubMed:15367664, PubMed:15863505). Expressed in myogenic progenitor cells (at protein level) (PubMed:17363903). Expressed in the ovary (PubMed:15367664). Expressed in kidney, liver, skeletal muscle, and testes (PubMed:10821863, PubMed:15367664). Expressed in lung and skin (PubMed:15863505). Expressed in the brain, heart, diaphragm, and intestines (PubMed:10821863). Expressed in the conceptus tissues of the placenta (PubMed:16759287).

## References

Miyashita A.,et al.Gene 237:53-60(1999).  
Beranger F.,et al.J. Biol. Chem. 275:16103-16109(2000).  
Liu Y.,et al.Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.  
Stock D.W.,et al.Genomics 37:234-237(1996).  
van de Wetering M.,et al.Nucleic Acids Res. 21:1669-1669(1993).

## Images



Western blot analysis of lysate from human testis tissue lysate, using Sox15 Antibody (C-term)(Cat. #AP21013c). AP21013c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.