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(Mouse) Sox15 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21013c

Specification

(Mouse) Sox15 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P43267
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**25311**
Antigen Region	**152-165**

(Mouse) Sox15 Antibody (C-term) - Additional Information

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

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.

(Mouse) Sox15 Antibody (C-term) - Protein Information

Name Sox15 {ECO:0000312|MGI:MGI:98363}

Function Transcription factor that binds to DNA at the 5'-AACAATG-3' consensus sequence (PubMed:10821863, PubMed:15863505, PubMed:16759287, PubMed:17363903). Acts as a

transcriptional activator and repressor (PubMed:10821863, PubMed:15863505, PubMed:16759287). Binds synergistically with POU5F1 (OCT3/4) to gene promoters (PubMed:15863505). Binds to the FOXK1 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}

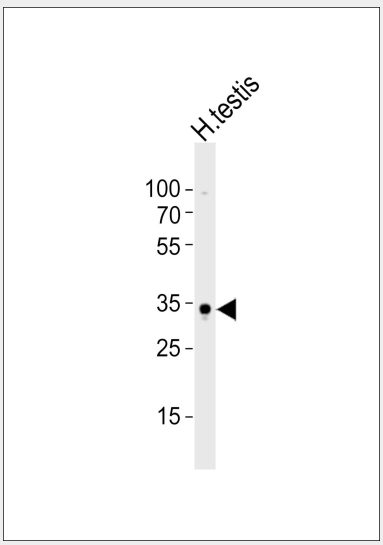
Tissue Location
Expressed in myoblasts (at protein level) (PubMed:15367664). Expressed in embryonic stem cells (at protein level) (PubMed:15367664, PubMed:15863505). Expressed in myogenic progenitor cells (at protein level) (PubMed:17363903). Expressed in the ovary (PubMed:15367664). Expressed in kidney, 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).

(Mouse) Sox15 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

(Mouse) Sox15 Antibody (C-term) - Images



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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.

(Mouse) Sox15 Antibody (C-term) - 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).
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