

(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

Synonyms Sox-15

Function Transcription factor that binds to DNA at the 5'-AACAAATG-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 FOXP1 promoter and recruits FHL3, resulting in transcriptional activation of FOXP1 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](#)).

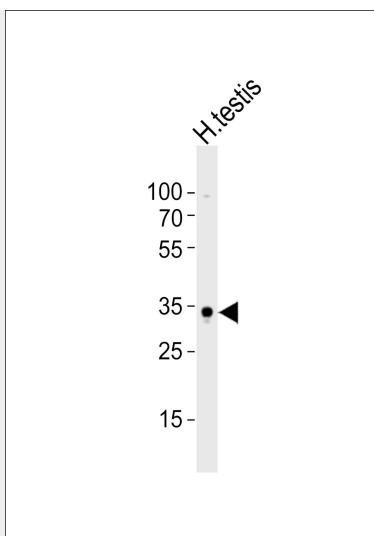
(Mouse) Sox15 Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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

(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).
van de Wetering M.,et al.Nucleic Acids Res. 21:1669-1669(1993).