

# (Mouse) Scx Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AW5469

### Specification

## (Mouse) Scx Antibody (N-term) - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Calculated MW Isotype Antigen Source WB, IHC-P,E <u>Q64124</u> <u>Q7RTU7</u> Mouse Human Rabbit Polyclonal M=22;H=22 KDa Rabbit IgG HUMAN

### (Mouse) Scx Antibody (N-term) - Additional Information

Gene ID 20289

Antigen Region 69-102

**Other Names** Basic helix-loop-helix transcription factor scleraxis, Scx

**Dilution** WB~~1:1000 IHC-P~~1:25

#### Target/Specificity

This mouse Scx antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 69-102 amino acids from the N-terminal region of mouse Scx.

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) Scx Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## (Mouse) Scx Antibody (N-term) - Protein Information



Name Scx

### Function

Plays an early essential role in mesoderm formation, as well as a later role in formation of somite-derived chondrogenic lineages.

Cellular Location Nucleus {ECO:0000255|PROSITE-ProRule:PRU00981}.

Tissue Location

Expressed in mesenchymal precursors of cartilage and in connective tissue. Highly expressed in tendons in the limb, tongue and diaphragm and in cartilage of the bronchi

### (Mouse) Scx Antibody (N-term) - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

## (Mouse) Scx Antibody (N-term) - Images



All lanes : Anti-Scx Antibody (N-term) at 1:1000 dilution Lane 1: mouse lung lysates Lane 2: mouse liver lysates Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 22 kDa Blocking/Dilution buffer: 5% NFDM/TBST.





AW5469 staining Scx in Mouse lung tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

### (Mouse) Scx Antibody (N-term) - Background

Plays an early essential role in mesoderm formation, as well as a later role in formation of somite-derived chondrogenic lineages.

## (Mouse) Scx Antibody (N-term) - References

Cserjesi P., et al. Development 121:1099-1110(1995). Brown D., et al. Development 126:4317-4329(1999). (Mouse) Scx Antibody (N-term) - Citations

• <u>Single-Cell Analysis of the Muscle Stem Cell Hierarchy Identifies Heterotypic Communication</u> <u>Signals Involved in Skeletal Muscle Regeneration</u>