

# (Mouse) Scx Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5469

## Product Information

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Application	WB, IHC-P
Primary Accession	<a href="#">Q64124</a>
Other Accession	<a href="#">Q7RTU7</a>
Reactivity	Mouse
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22239
Isotype	Rabbit IgG
Antigen Source	HUMAN

## Additional Information

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Gene ID	20289
Antigen Region	69-102
Other Names	Basic helix-loop-helix transcription factor scleraxis, Scx
Dilution	WB~~1:1000 IHC-P~~1:100~500
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.

## Protein Information

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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

**Background**

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

**References**

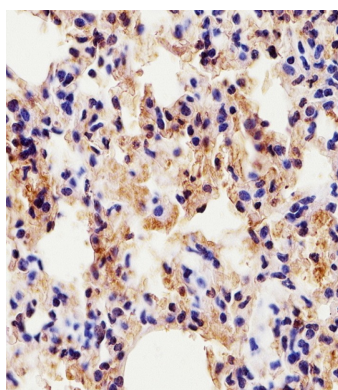
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Cserjesi P.,et al.Development 121:1099-1110(1995).

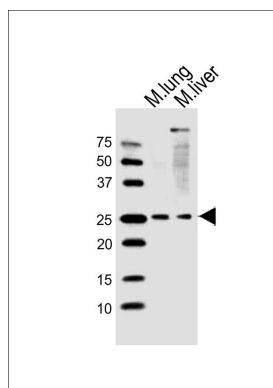
Brown D.,et al.Development 126:4317-4329(1999).

**Images**

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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.



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 µg 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.

**Citations**

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- [Single-Cell Analysis of the Muscle Stem Cell Hierarchy Identifies Heterotypic Communication Signals Involved in Skeletal Muscle Regeneration](#).

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