

SCXA Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10439B

Specification

SCXA Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O7RTU7
Other Accession	O64124 , P59101 , NP_001073983.1 , NP_001008272.1
Reactivity	Human, Mouse
Predicted	Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	172-201

SCXA Antibody (C-term) - Additional Information

Gene ID 642658

Other Names

Basic helix-loop-helix transcription factor scleraxis, Class A basic helix-loop-helix protein 41, bHLHa41, Class A basic helix-loop-helix protein 48, bHLHa48, SCX, BHLHA41, BHLHA48, SCXA, SCXB

Target/Specificity

This SCXA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 172-201 amino acids from the C-terminal region of human SCXA.

Dilution

WB~~1:1000
IHC-P~~1:100

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

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

SCXA Antibody (C-term) - Protein Information

Name SCX

Synonyms BHLHA41, BHLHA48, SCXA, SCXB

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

Cellular Location

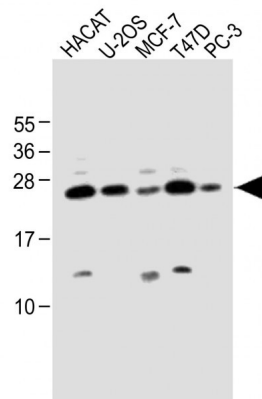
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00981}.

SCXA Antibody (C-term) - Protocols

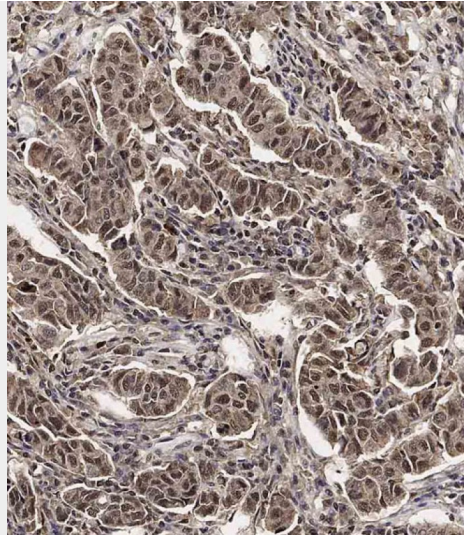
Provided below are standard protocols that you may find useful for product applications.

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

SCXA Antibody (C-term) - Images



All lanes : Anti-SCXA Antibody (C-term) at 1:1000 dilution Lane 1: HACAT whole cell lysate Lane 2: U-2OS whole cell lysate Lane 3: MCF-7 whole cell lysate Lane 4: T47D whole cell lysate Lane 5: PC-3 whole cell lysate 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.



Immunohistochemical analysis of AP10439b on paraffin-embedded Human breast carcinoma tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

SCXA Antibody (C-term) - References

Furumatsu, T., et al. Int. J. Biochem. Cell Biol. 42(1):148-156(2010) Liu, Q., et al. Zhonghua Kou Qiang Yi Xue Za Zhi 41(9):556-558(2006) Nusbaum, C., et al. Nature 439(7074):331-335(2006) Schulze-Tanzil, G., et al. Histochem. Cell Biol. 122(3):219-228(2004) Salingcarnboriboon, R., et al. Exp. Cell Res. 287(2):289-300(2003)

SCXA Antibody (C-term) - Citations

- [Transient scleraxis overexpression combined with cyclic strain enhances ligamentous differentiation.](#)
- [Retinoic acid receptor signaling preserves tendon stem cell characteristics and prevents spontaneous differentiation in vitro.](#)
- [Conversion of human bone marrow-derived mesenchymal stem cells into tendon progenitor cells by ectopic expression of scleraxis.](#)