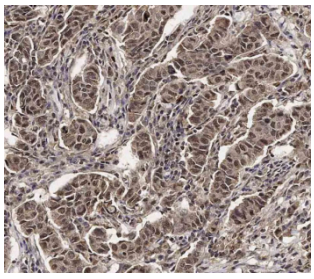
SCXA Antibody / Scleraxis (F55125)

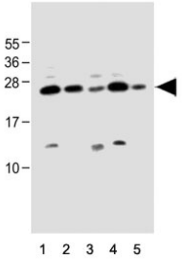
Catalog No.	Formulation	Size
F55125-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F55125-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-2 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q7RTU7
Localization	Nuclear
Applications	Western blot: 1:500-1:1000 Immunohistochemistry (FFPE): 1:50-1:100
Limitations	This SCXA antibody is available for research use only.



IHC staining of FFPE human breast carcinoma tissue with SCXA antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human 1) HaCaT, 2) U-2 OS, 3) MCF7, 4) T-47D and 5) PC-3 cell lysate with SCXA antibody. Predicted molecular weight ~22 kDa.

Description

Scleraxis/SCXA is a transcription factor that is essential for the proper formation of tendons and ligaments in our bodies. It is responsible for regulating the expression of genes that are involved in tendon development, maintenance, and repair. Without Scleraxis, our tendons and ligaments would not be able to function properly, leading to a host of musculoskeletal issues. Research has shown that mutations in the SCXA gene can lead to conditions such as chronic tendon injuries, tendinopathies, and even developmental abnormalities in tendons.

Application Notes

The stated application concentrations are suggested starting points. Titration of the SCXA antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 172-201 from the human protein was used as the immunogen for the SCXA antibody.

Storage

Aliquot the SCXA antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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