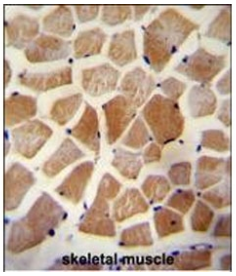
WISP-2 Antibody / WNT1-inducible-signaling pathway protein 2 / CCN5 (F55088)

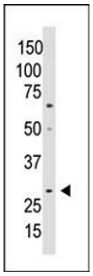
Catalog No.	Formulation	Size
F55088-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55088-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-2 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
UniProt	O76076
Applications	Western Blot : 1:500-1:1000 Immunohistochemistry (FFPE) : 1:50-1:100
Limitations	This WISP-2 antibody is available for research use only.



IHC staining of FFPE human skeletal muscle tissue with WISP-2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human A549 cell lysate with WISP-2 antibody. Predicted molecular weight ~27 kDa.

Description

CCN5, also known as WISP-2 (Wnt-1-induced secreted protein 2), is a member of the CCN family of proteins that are involved in cell growth, differentiation, and migration. It is known for its ability to modulate signaling pathways that regulate various cellular activities, making it a key player in maintaining homeostasis in tissues. One of the primary functions of CCN5 is its role in regulating the growth and development of tissues, particularly in the cardiovascular system. Studies have shown that CCN5 can protect against cardiac fibrosis and hypertrophy, making it a potential therapeutic target for heart-related diseases. Furthermore, CCN5 has been found to have anti-inflammatory properties, making it a promising candidate for the treatment of inflammatory conditions. Its ability to regulate immune responses and modulate cytokine production highlights its potential as a target for managing inflammatory disorders. CCN5 has also been implicated in the regulation of metabolic processes and energy homeostasis. Research has shown that CCN5 can influence lipid metabolism and insulin sensitivity, suggesting its potential use in combating metabolic disorders such as obesity and diabetes.

Application Notes

Titration of the WISP-2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 87-116 from the human protein was used as the immunogen for this WISP-2 antibody.

Storage

Aliquot the WISP-2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.