

**Product Name: Fibulin 5 Mouse Monoclonal Antibody**  
**Catalog #: AMM80549**



## Summary

<b>Production Name</b>	Fibulin 5 Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ELISA
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide.
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	Fibulin 5
<b>Alternative Names</b>	EVEC; UP50; ARMD3; DANCE
<b>Gene ID</b>	10516.0
<b>SwissProt ID</b>	Q9UBX5. Purified recombinant fragment of Fibulin 5 expressed in E. Coli.

## Application

<b>Dilution Ratio</b>	IHC:1:200-1:1000,ELISA:1:10000
<b>Molecular Weight</b>	/

## Background

Fibulin 5(FBLN5), with 448-amino acid protein (about 50kDa), is a recently discovered multifunctional extracellular matrix protein that mediates endothelial cell adhesion through integrin ligation, regulates cell growth and motility in a context-

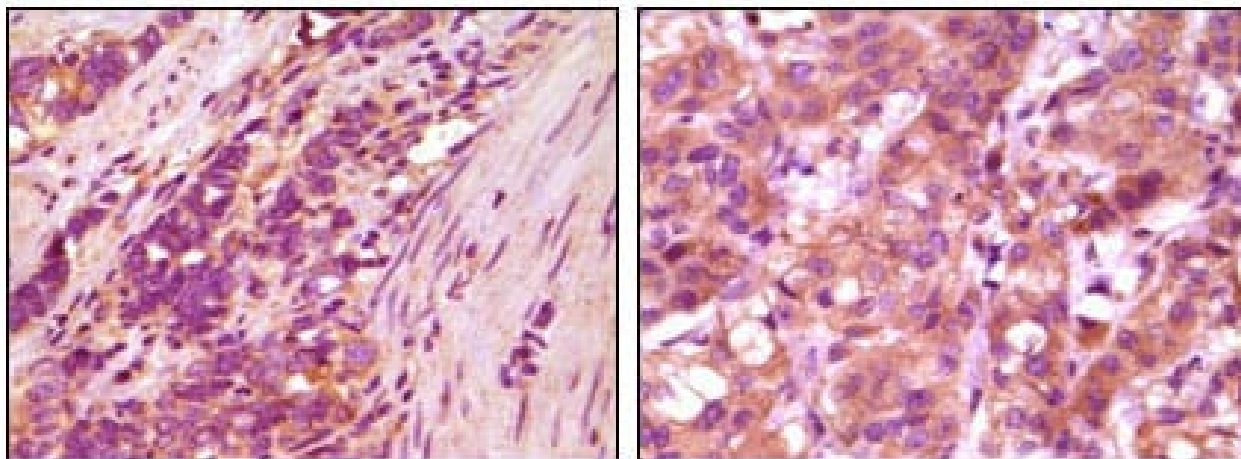
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specific manner, and prevents elastinopathy in vivo. Fibulin-5 is abundantly expressed in great vessels and cardiac valves during embryogenesis, and in many adult tissues including the aorta, lung, uterus and skin, all of which contain abundant elastic fibres. Decreased fibulin-5 may contribute to the pathogenesis of aortic dissection by impairing elastic fiber assembly. Fibulin-5 is also a good marker of skin ageing and that the earlier loss of fibulin-5 may involve age-dependent changes in other elastic fibre components.

## Research Area

## Image Data



Immunohistochemical analysis of paraffin-embedded human stomach carcinoma (left) and breast carcinoma (right), showing cytoplasmic localization using fibulin5 mouse mAb with DAB staining.

## Note

For research use only.