

## Product datasheet

# Anti-Fibulin 5 antibody [1G6A4] ab66339

★★★★☆ 3 Abreviews 12 References 5 Images

### Overview

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<b>Product name</b>	Anti-Fibulin 5 antibody [1G6A4]
<b>Description</b>	Mouse monoclonal [1G6A4] to Fibulin 5
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human, Recombinant fragment
<b>Immunogen</b>	Recombinant His tagged fragment, corresponding to amino acids 242-448 of Human Fibulin 5
<b>Positive control</b>	Colon and breast cancer
<b>General notes</b>	<p>This product was changed from ascites to supernatant. Lot no's high than GR171104-21 are from Tissue Culture Supernatant</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituent: PBS
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purified from tissue culture supernatant.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	1G6A4
<b>Isotype</b>	IgG1

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab66339 in the following tested applications.

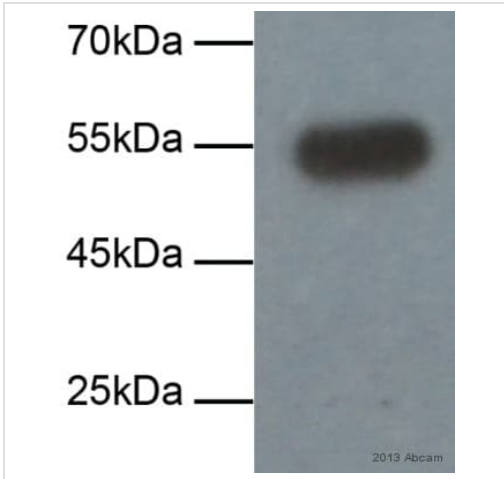
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (2)	1/500 - 1/2000. Predicted molecular weight: 50 kDa.
IHC-P		1/500 - 1/2000.
ICC/IF	★★★★★ (1)	Use a concentration of 10 µg/ml.

## Target

<b>Function</b>	Promotes adhesion of endothelial cells through interaction of integrins and the RGD motif. Could be a vascular ligand for integrin receptors and may play a role in vascular development and remodeling.
<b>Tissue specificity</b>	Expressed predominantly in heart, ovary, and colon but also in kidney, pancreas, testis, lung and placenta. Not detectable in brain, liver, thymus, prostate, or peripheral blood leukocytes.
<b>Involvement in disease</b>	<p>Defects in FBLN5 are a cause of autosomal dominant cutis laxa (ADCL) [MIM:123700]. Hereditary cutis laxa refers to a heterogeneous group of connective tissue disorders characterized by cutaneous abnormalities and variable systemic manifestations. The most constant clinical feature is loose skin, sagging over the face and trunk. Hereditary cutis laxa is inherited in both autosomal dominant and autosomal recessive modes. Autosomal dominant cutis laxa is a relatively benign inherited and acquired connective tissue disorder.</p> <p>Defects in FBLN5 are a cause of cutis laxa autosomal recessive type 1 (ARCL1) [MIM:219100]. Hereditary cutis laxa refers to a heterogeneous group of connective tissue disorders characterized by cutaneous abnormalities and variable systemic manifestations. The most constant clinical feature is loose skin, sagging over the face and trunk. Hereditary cutis laxa is inherited in both autosomal dominant and autosomal recessive modes. ARCL1 shows the most severe phenotype and has the poorest prognosis. In addition to the skin, internal organs enriched in elastic fibers, such as the lung and arteries, are affected.</p> <p>Defects in FBLN5 are the cause of age-related macular degeneration type 3 (ARMD3) [MIM:608895]. ARMD is a multifactorial disease and the most common cause of irreversible vision loss in the developed world. In most patients, the disease is manifest as ophthalmoscopically visible yellowish accumulations of protein and lipid (known as drusen) that lie beneath the retinal pigment epithelium and within an elastin-containing structure known as Bruch membrane.</p>
<b>Sequence similarities</b>	<p>Belongs to the fibulin family.</p> <p>Contains 6 EGF-like domains.</p>
<b>Cellular localization</b>	Secreted.

## Images



Western blot - Anti-Fibulin 5 antibody [1G6A4] (ab66339)

This image is courtesy of an anonymous Abreview

Anti-Fibulin 5 antibody [1G6A4] (ab66339) at 1/2000 dilution + Human vascular smooth muscle whole cell lysate at 20 µg

**Secondary**

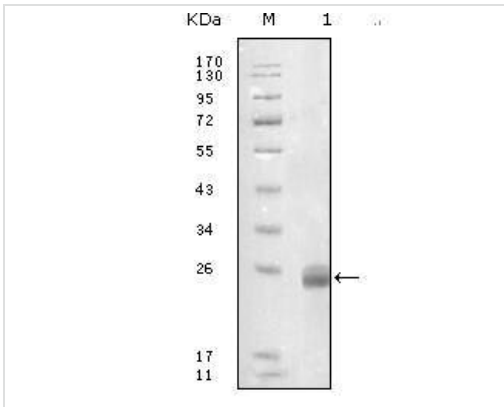
HRP-conjugated Rabbit anti-mouse IgG polyclonal at 1/2000 dilution

Performed under reducing conditions.

**Predicted band size:** 50 kDa

**Observed band size:** 55 kDa

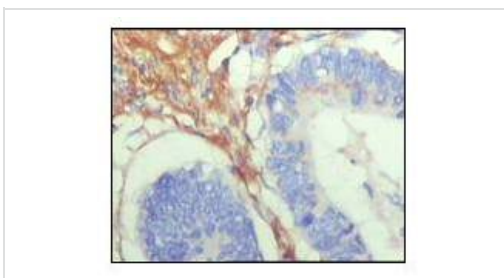
**Exposure time:** 1 minute



Western blot - Anti-Fibulin 5 antibody [1G6A4] (ab66339)

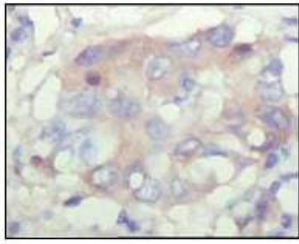
Anti-Fibulin 5 antibody [1G6A4] (ab66339) at 1/500 dilution + Immunogen (recombinant truncated protein) at 1 µg

**Predicted band size:** 50 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fibulin 5 antibody [1G6A4] (ab66339)

Immunohistochemical analysis of paraffin embedded human colon cancer tissue showing cytoplasmic localisation with DAB staining using [ab66337](#) at 1/500 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fibulin 5 antibody [1G6A4] (ab66339)

Immunohistochemical analysis of paraffin embedded human breast carcinoma tissue showing cytoplasmic localisation with DAB staining using [ab66337](#) at 1/500 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-Fibulin 5 antibody [1G6A4] (ab66339)

ICC/IF image of ab66339 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab66339, 10µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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