

Datasheet for ABIN969144

**anti-Fibulin 5 antibody****2** Images**4** Publications[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	Fibulin 5 (FBLN5)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Purified recombinant fragment of Fibulin 5 expressed in E. coli.
Clone:	3F10A5
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	Fibulin 5 (FBLN5)
Alternative Name:	Fibulin 5 ( <a href="#">FBLN5 Products</a> )
Background:	Description: Fibulin 5(FBLN5), with 448-amino acid protein (about 50 kDa), is a recently discovered multifunctional extracellular matrix protein that mediates endothelial cell adhesion through integrin ligation, regulates cell growth and motility in a context-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

## Target Details

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.

Aliases: EVEC, UP50, ARMD3, DANCE

Gene ID: 10516

HGNC: 10516

Pathways: [SARS-CoV-2 Protein Interactome](#)

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

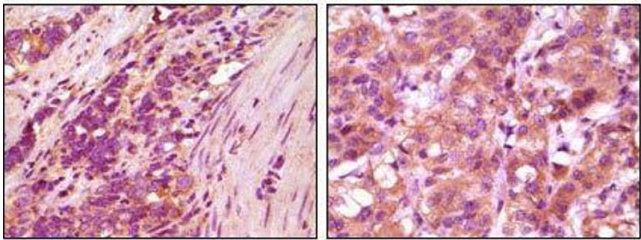
## Publications

Product cited in: Jan, Adolfsson, Allaman, Buccarello, Magistretti, Pfeifer, Muhs, Lashuel: "Abeta42 neurotoxicity is mediated by ongoing nucleated polymerization process rather than by discrete Abeta42 species." in: **The Journal of biological chemistry**, Vol. 286, Issue 10, pp. 8585-96, (2011) ([PubMed](#)).

Deshmukh, Salehzadeh, Metayer-Coustard, Fahlman, Nair, Al-Khalili: "Post-transcriptional gene silencing of ribosomal protein S6 kinase 1 restores insulin action in leucine-treated skeletal muscle." in: **Cellular and molecular life sciences : CMLS**, Vol. 66, Issue 8, pp. 1457-66, (2009) (

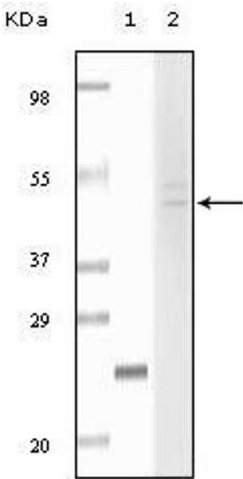
[PubMed](#)).

Images



Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded human stomach carcinoma (left) and breast carcinoma (right), showing cytoplasmic localization using fibulin5 mouse mAb with DAB staining.



Western Blotting

**Image 2.** Western blot analysis using Fibulin5 mouse mAb against truncated fibulin5 recombinant protein (1) and Hela cell lysate (2).