

Fibulin-5 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0541
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of Fibulin-5 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Fibulin-5
Synonyms	FBLN5; DANCE; Fibulin-5; FIBL-5; Developmental arteries and neural crest EGF-like protein; Dance; Urine p50 protein; UP50

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene is a secreted, extracellular matrix protein containing an Arg-Gly-Asp (RGD) motif and calcium-binding EGF-like domains. It promotes adhesion of endothelial cells through interaction of integrins and the RGD motif. It is prominently expressed in developing arteries but less so in adult vessels. However, its expression is reinduced in balloon-injured vessels and atherosclerotic lesions, notably in intimal vascular smooth muscle cells and endothelial cells. Therefore, the protein encoded by this gene may play a role in vascular development and remodeling. Defects in this gene are a cause of autosomal dominant cutis laxa, autosomal recessive cutis laxa type I (CL type I), and age-related macular degeneration type 3 (ARMD3).

Recommended Dilution

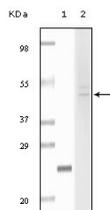
ELISA: 1:10000

IHC: 1:200 - 1:1000

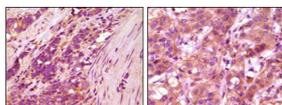
WB: 1:500 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using Fibulin-5 Monoclonal antibody against truncated fibulin5 recombinant protein (1) and HeLa cell lysate (2).



Immunohistochemistry analysis of paraffin-embedded human stomach carcinoma (left) and breast carcinoma (right), showing cytoplasmic localization with DAB staining using Fibulin-5 Monoclonal antibody.

Storage

-20°C for one year

