Anti-Fibrillin 1 antibody ab53076

Product datasheet

製品の概要

製品名  Anti-Fibrillin 1 antibody
製品の詳細  Rabbit polyclonal to Fibrillin 1
由来種  Rabbit
特異性  Fibrillin 1 antibody detects endogenous levels of total Fibrillin 1 protein.
アプリケーション  適用あり: ICC/IF, IHC-P, ELISA
種交差性  交差種: Mouse, Human
免疫原  Synthetic peptide: STPLYKKUEL NQLEDKYDKD YLSGELGDNL KMKIQVLLH, corresponding to amino acids 2832-2871 of Human Fibrillin 1
ポジティブ・コントロール  Human breast carcinoma tissue

製品の特性

製品の状態  Liquid
保存方法  Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー  pHi: 7.40
Preservative: 0.02% Sodium azide
Constituents: 50% Glycerol, 0.87% Sodium chloride, PBS
精製度  Immunogen affinity purified
特記事項（精製）  The antibody was affinity purified from rabbit antiserum by affinity chromatography using epitope-specific immunogen.
ポリモノ  ポリクローナル
アイソタイプ  IgG

アプリケーション

Our Abpromise guarantee covers the use of ab53076 in the following tested applications.
Fibrillins are structural components of 10-12 nm extracellular calcium-binding microfibrils, which occur either in association with elastin or in elastin-free bundles. Fibrillin-1-containing microfibrils provide long-term force bearing structural support. Regulates osteoblast maturation by controlling TGF-beta bioavailability and calibrating TGF-beta and BMP levels, respectively.

Defects in FBN1 are a cause of Marfan syndrome (MFS) [MIM:154700]. MFS is an autosomal dominant disorder that affects the skeletal, ocular, and cardiovascular systems. A wide variety of skeletal abnormalities occurs with MFS, including scoliosis, chest wall deformity, tall stature, abnormal joint mobility. Ectopia lentis occurs in up to about 80% of MFS patients and is almost always bilateral. The leading cause of premature death in MFS patients is progressive dilation of the aortic root and ascending aorta, causing aortic incompetence and dissection. Note=The majority of the more than 600 mutations in FBN1 currently known are point mutations, the rest are frameshifts and splice site mutations. Marfan syndrome has been suggested in at least 2 historical figures, Abraham Lincoln and Paganini.

Defects in FBN1 are a cause of isolated ectopia lentis (EL) [MIM:129600]. The symptoms of this autosomal dominant fibrillinopathy overlap with those of Marfan syndrome, with the exclusion of the skeletal and cardiovascular manifestations.

Defects in FBN1 are the cause of Weill-Marchesani syndrome autosomal dominant (ADWMS) [MIM:608328]. A rare connective tissue disorder characterized by short stature, brachydactyly, joint stiffness, and eye abnormalities including microspherophakia, ectopia lentis, severe myopia and glaucoma.

Defects in FBN1 are a cause of Shprintzen-Goldberg craniosynostosis syndrome (SGS) [MIM:182212]. SGS is a very rare syndrome characterized by a marfanoid habitus, craniosynostosis, characteristic dysmorphic facial features, skeletal and cardiovascular abnormalities, mental retardation, developmental delay and learning disabilities.

Defects in FBN1 are a cause of overlap connective tissue disease (OCTD) [MIM:604308]. A heritable disorder of connective tissue characterized by involvement of the mitral valve, aorta, skeleton, and skin. MASS syndrome is closely resembling both the Marfan syndrome and the Barlow syndrome. However, no dislocation of the lenses or aneurysmal changes occur in the aorta, and the mitral valve prolapse is by no means invariable.

Defects in FBN1 are a cause of stiff skin syndrome (SSKS) [MIM:184900]. It is a syndrome characterized by hard, thick skin, usually over the entire body, which limits joint mobility and causes flexion contractures. Other occasional findings include lipodystrophy and muscle weakness.

Belongs to the fibrillin family.
Contains 47 EGF-like domains.
Contains 9 TB (TGF-beta binding) domains.

Forms intermolecular disulfide bonds either with other fibrillin-1 molecules or with other fibrillin family members.

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

細胞内局在

Secreted > extracellular space > extracellular matrix.

画像

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ab53076 at 1/50 dilution, with and without immunizing peptide.

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

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