

ARG66654 anti-Fibrillin 1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Fibrillin 1
Tested Reactivity	Hu, Ms
Predict Reactivity	Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Fibrillin 1
Species	Human
Immunogen	Synthetic peptide between aa. 2780-2860 of Human Fibrillin 1.
Conjugation	Un-conjugated
Alternate Names	ECTOL1; MFS1; WMS; SGS; SSKS; MASS; GPHYS2; WMS2; ACMICD; OCTD; Fibrillin-1; FBN

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:300
	WB	Assay-dependent

Application Note IHC-P: Antigen Retrieval: Incubated in Tris-EDTA buffer (pH 8.0) with high-pressure and temperature.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

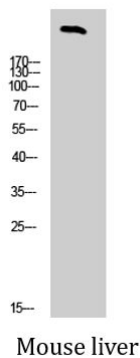
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

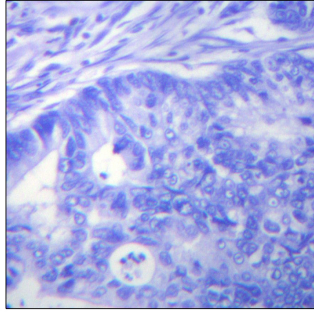
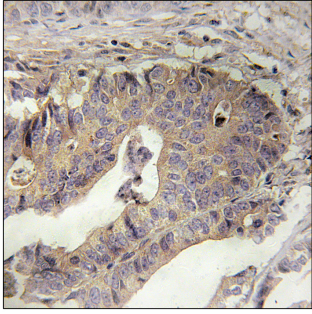
Gene Symbol	FBN1
Gene Full Name	fibrillin 1
Background	This gene encodes a member of the fibrillin family. The encoded protein is a large, extracellular matrix glycoprotein that serve as a structural component of 10-12 nm calcium-binding microfibrils. These microfibrils provide force bearing structural support in elastic and nonelastic connective tissue throughout the body. Mutations in this gene are associated with Marfan syndrome, isolated ectopia lentis, autosomal dominant Weill-Marchesani syndrome, MASS syndrome, and Shprintzen-Goldberg craniosynostosis syndrome. [provided by RefSeq, Jul 2008]
Function	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. [UniProt]
Calculated Mw	312 kDa
PTM	<p>Fibrillin-1: Cleavage of N- and C-terminus by furin is required for incorporation into the extracellular matrix and assembly into microfibrils (PubMed:27026396). The C-terminus, which corresponds to the Asprosin chain, was initially thought to constitute a propeptide (PubMed:24982166). Fibrillin-1 and Asprosin chains are still linked together during the secretion from cells, but are subsequently separated by furin, an essential step for incorporation of Fibrillin-1 into the nascent microfibrils (PubMed:24982166).</p> <p>Fibrillin-1: Forms intermolecular disulfide bonds either with other fibrillin-1 molecules or with other components of the microfibrils. [UniProt]</p>
Cellular Localization	Secreted. Note=Fibrillin-1 and Asprosin chains are still linked together during the secretion from cells, but are subsequently separated by furin (PubMed:24982166). Asprosin: Secreted. Note=Secreted into the plasma. Fibrillin-1: Secreted, extracellular space, extracellular matrix. [UniProt]

Images



ARG66654 anti-Fibrillin 1 antibody WB image

Western blot: Mouse liver lysate stained with ARG66654 anti-Fibrillin 1 antibody.



ARG66654 anti-Fibrillin 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast carcinoma tissue stained with ARG66654 anti-Fibrillin 1 antibody. The picture on the right is blocked with the synthetic peptide.