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Fibrillin 2 Antibody (internal region, near the C-Term)

Peptide-affinity purified goat antibody
Catalog # AF2471a

Specification

Fibrillin 2 Antibody (internal region, near the C-Term) - Product Information

Application	**E**
Primary Accession	P35556
Other Accession	NP_001990.2, 2201
Predicted	**Human, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**314775**

Fibrillin 2 Antibody (internal region, near the C-Term) - Additional Information

Gene ID 2201

Other Names
Fibrillin-2, FBN2

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Fibrillin 2 Antibody (internal region, near the C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Fibrillin 2 Antibody (internal region, near the C-Term) - Protein Information

Name FBN2 {ECO:0000303|PubMed:32329225, ECO:0000312|HGNC:HGNC:3604}

Function
[Fibrillin-2]: 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-2-containing microfibrils regulate the early process of elastic fiber assembly. Regulates osteoblast maturation by controlling TGF-beta bioavailability and calibrating TGF-beta and BMP levels, respectively.

Cellular Location
Secreted. Note=Fibrillin-2 and Placensin chains are still linked together during the secretion from

cells, but are subsequently separated by furin [Placensin]: Secreted. Note=Secreted by placental cells

Tissue Location
Almost exclusively expressed in placenta (PubMed:32329225). Expressed at much lower level in other tissues (PubMed:32329225). Expressed in fetal eye (18 weeks)in the retinal pigment epithelium (RPE), the choroid, Bruch's membrane and in the sclera (PubMed:24899048). Not expressed in the neural retina (PubMed:24899048).

Fibrillin 2 Antibody (internal region, near the C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Fibrillin 2 Antibody (internal region, near the C-Term) - Images

Fibrillin 2 Antibody (internal region, near the C-Term) - References

Fibrillin-1 and fibrillin-2 in human embryonic and early fetal development. Quondamatteo F, Reinhardt DP, Charbonneau NL, Pophal G, Sakai LY, Herken R. Matrix Biol. 2002 Dec;21(8):637-46. PMID: 12524050