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[Primary Antibody]

Rabbit Anti-FBN3 antibody

Catalog Number: SL16034R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FBN3
Immunogen:	KLH conjugated synthetic peptide derived from human FBN3: 2701-2809/2809
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human)
Predicted MW.:	297kDa
Subcellular Location:	cytoplasmic
Background:	This gene encodes a protein that belongs to the fibrillin gene family. Fibrillins are extracellular matrix molecules that assemble into microfibrils in many connective tissues. This gene is most highly expressed in fetal tissues and its protein product is localized to extracellular microfibrils of developing skeletal elements, skin, lung, kidney, and skeletal muscle. This gene is potentially involved in Weill-Marchesani syndrome. While several transcript variants may exist for this gene, their full-length natures have not been described to date. [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

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	in elastin-free bundles. Fibrillin-containing microfibrils provide long-term force bearing structural support. **Subcellular Location:** Secreted; extracellular space; extracellular matrix. **Tissue Specificity:** Predominantly expressed in connective tissues such as skeletal muscle, tendon, skin, perichondrium and periosteum. Highly expressed in fetal lung, brain, kidney. Expressed at low level in prostate, testis, mammary gland, uterus, ovary, placenta, bladder, adrenal gland, thyroid, fetal thymus, fetal liver, liver, fetal heart and heart. **Post-translational modifications:** Probably forms intermolecular disulfide bonds either with other FBN3 molecules or with other components of the microfibrils (By similarity). **Similarity:** Belongs to the fibrillin family. Contains 44 EGF-like domains. Contains 9 TB (TGF-beta binding) domains. **Database links:** **Entrez Gene:** 84467 Human Omim: 608529 Human **SwissProt:** Q75N90 Human **Unigene:** 370362 Human

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