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Product datasheet for AP06122PU-M

Fibrillin 1 (FBN1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**Wstern Blot:** 1/500-1/1000. **Immunohistochemistry on Paraffin Sections:** 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids C-terminus of Human FBN1.
Specificity:	This antibody detects endogenous levels of Fibrillin-1 protein. (region surrounding asn2843)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (>95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	fibrillin 1
Database Link:	Entrez Gene 2200 Human P35555

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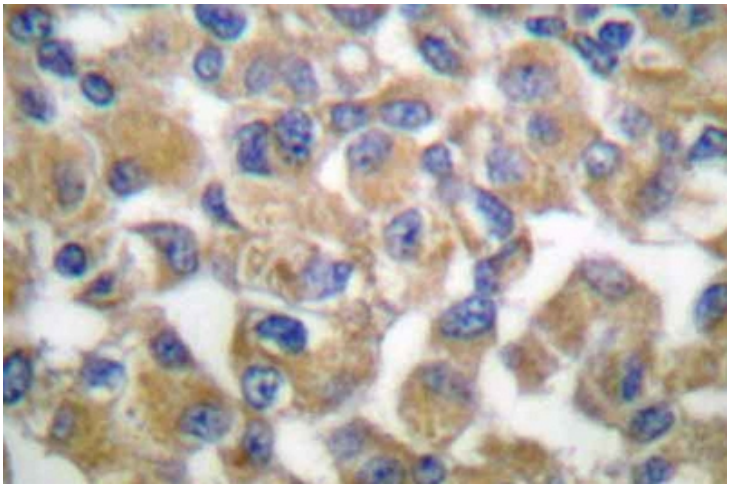
Background: The fibrillin family of proteins, including fibrillin-1 (FBN1) and fibrillin-2 (FBN2), are integral components of a distinct subset of extracellular microfibrils. Microfibrils are found in elastic tissues where they facilitate elastic fiber formation and in nonelastic tissue where they support the association of the epithelial cells with the interstitial matrix. Characteristic of the fibrillin proteins are the epidermal growth factor (EGF)-like motifs, which contain a consensus sequence for calcium binding. This calcium association may be critical for protein-protein interactions and stabilization of the microfibrils. Mutations of the FBN1 gene have been shown to result in Marfan syndrome, a disease characterized by abnormal synthesis, secretion and matrix deposition of fibrillin. FBN2 is also linked to a rare, yet similiar, skeletal disorder, congenital contractural arachnodactyly.

Synonyms: FBN1, FBN

Product images:



Immunohistochemistry analysis of Fibrillin-1 Antibody in paraffin-embedded human breast carcinoma tissue.