**bs-12166R** **[ Primary Antibody ]**

# Fibrillin 2 Rabbit pAb

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## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 2201 **SWISS:** P35556

**Target:** Fibrillin 2

**Immunogen:** KLH conjugated synthetic peptide derived from human Fibrillin 2: 1001-1200/2912.

**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°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Extracellular glycoproteins fibrillin-1 and -2 are major components of connective tissue microfibrils. Fibrillin-2 containing microfibrils regulate the early process of elastic fiber assembly in tissue. Mutations in the fibrillin-2 gene resulting in impaired assembly of fibrillin-2 may lead to molecular congenital contractural arachnodactyly. Fibrillin-2 constitutes the backbone of microfibrils which insert directly into the lamina densa of basement membranes. Epithelial cells primarily deposit fibrillin into the extracellular matrix in a nonfibrillar form. Mutations in the 8-cysteine motif of Fibrillin-2 alters its binding to microfibril-associated glycoprotein-1 (MAGP-1), which may increase the severity of congenital contractural arachnodactyly.

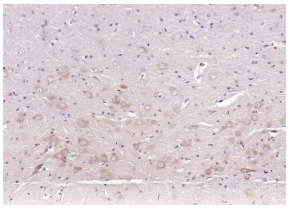
**Applications:** **IHC-P** (1:100-500)
**IHC-F** (1:100-500)
**IF** (1:100-500)

**Reactivity:** Rat (predicted: Human, Mouse, Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse)

**Predicted MW.:** 311 kDa

**Subcellular Location:** Secreted

## VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Fibrillin 2) Polyclonal Antibody, Unconjugated (bs-12166R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

## SELECTED CITATIONS

- **[IF=2.6]** Chang Jiale. et al. Screening and expression validation of key proteins for secondary hair follicle growth in cashmere goats based on iTRAQ quantitative proteomics technology. FRONT VET SCI. 2024 Oct;11: WB,IHC ;Goat. 39474271