

**Fibulin 3 Antibody**  
Catalog # ASC10920

**Specification**

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**Fibulin 3 Antibody - Product Information**

Application	WB, ICC, IF
Primary Accession	<a href="#">Q12805</a>
Other Accession	<a href="#">NP_001034437</a> , <a href="#">9665262</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 52 kDa

Application Notes	<b>Observed: 47 kDa KDa</b> Fibulin 3 antibody can be used for detection of Fibulin 3 by Western blot at 0.5 - 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 20 µg/mL. For immunofluorescence start at 20 µg/mL.
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**Fibulin 3 Antibody - Additional Information**

Gene ID	2202
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**Target/Specificity**

EFEMP1; At least three isoforms of Fibulin 3 are known to exist. This antibody is predicted to not cross-react with other Fibulin proteins.

**Reconstitution & Storage**

Fibulin 3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

Fibulin 3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Fibulin 3 Antibody - Protein Information**

**Name** EFEMP1

**Synonyms** FBLN3, FBNL

**Function**

Binds EGFR, the EGF receptor, inducing EGFR autophosphorylation and the activation of downstream signaling pathways. May play a role in cell adhesion and migration. May function as a negative regulator of chondrocyte differentiation. In the olfactory epithelium, it may regulate glial cell migration, differentiation and the ability of glial cells to support neuronal neurite outgrowth.

### Cellular Location

Secreted, extracellular space, extracellular matrix. Note=Localizes to the lamina propria underneath the olfactory epithelium {ECO:0000250|UniProtKB:O35568}

### Tissue Location

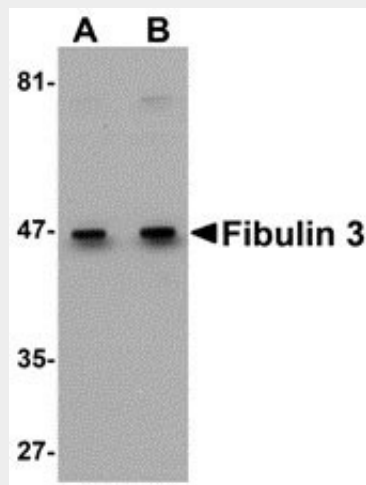
In the eye, associated with photoreceptor outer and inner segment regions, the nerve fiber layer, outer nuclear layer and inner and outer plexiform layers of the retina

### Fibulin 3 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

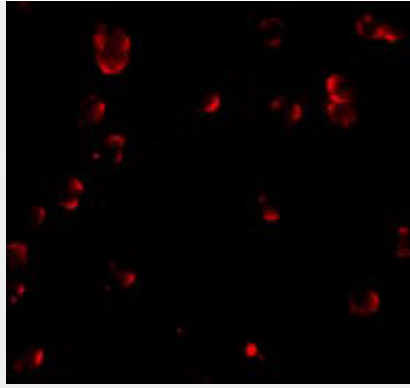
### Fibulin 3 Antibody - Images



Western blot analysis of Fibulin 3 in HeLa cell lysate with Fibulin 3 antibody at (A) 0.5 and (B) 1 µg/mL.



Immunocytochemistry of Fibulin 3 in HeLa cells with Fibulin 3 antibody at 20 µg/mL.



Immunofluorescence of Fibulin 3 in HeLa cells with Fibulin 3 antibody at 20 µg/mL.

### **Fibulin 3 Antibody - Background**

**Fibulin 3 Antibody:** Fibulin 3, also known as epidermal growth factor (EGF)-containing fibulin-like extracellular matrix protein 1 (EFEMP1), is a member of the fibulin family of extracellular glycoproteins, a group of proteins that are widely distributed and frequently associated with vascular and elastic tissues. The fibulin proteins typically contain a tandem array of EGF-like repeats and a fibulin-type COOH-terminal module. Aberrant accumulation of Fibulin 3 in the endoplasmic reticulum of retinal pigment epithelial cells has been shown to be associated with inherited forms of macular degeneration, but the loss of Fibulin 3 expression does not lead to macular degeneration but rather the appearance of hernias due to a reduction of elastic fibers of fascial connective tissue. Recent experiments have shown that expression of Fibulin 3 promotes tumor growth and may thus be a therapeutic target.

### **Fibulin 3 Antibody - References**

- Kobayashi N, Kostka G, Garbe JH, et al. A comparative analysis of the fibulin protein family. Biochemical characterization, binding interactions, and tissue localization. *J. Biol. Chem.* 2007; 282:11805-16.
- Marmorstein LY, Munier FL, Arsenijevic Y, et al. Aberrant accumulation of EFEMP1 underlies drusen formation in Malattia Leventinese and age-related macular degeneration. *Proc. Natl. Acad. Sci. USA* 2002; 99:13067-72.
- McLaughlin PJ, Bakall B, Choi J, et al. Lack of fibulin-3 causes early aging and herniation, but not macular degeneration in mice. *Hum. Mol. Genet.* 2007; 16:3059-70.
- Seeliger H, Camaj P, Ischenko I, et al. EFEMP1 expression promotes in vivo tumor growth in human pancreatic adenocarcinoma. *Mol. Cancer Res.* 2009; 7:189-98.