



**SZABO  
SCANDIC**

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](http://linkedin.com/company/szaboscandic)





## Fibulin-3. Rabbit Antigen Immunoaffinity Purified Polyclonal

EGF-containing fibulin-like extracellular matrix protein 1; Extracellular protein S1-5; Fibulin-like protein; EFEMP1

### BACKGROUND

Fibulin-1 is a modular glycoprotein component of elastic extracellular matrix fibers, basement membranes and blood. It can bind calcium, Fibronectin, Laminin, Nidogen and Fibrinogen. Estrogen exposure to ovarian cancer cell lines can upregulate Fibulin-1. Fibulin-2 is abundant in heart, placenta and ovarian tissue and binds several components of the extracellular matrix including aggrecan, versican and brevican. Fibulin-3, also known as EFEMP1, is a secreted protein. Defects in the gene for Fibulin-3 cause the autosomal dominant disease Doyne honeycomb retinal dystrophy (DHRD, also known as malattia leventinese) which is characterized by yellow-white deposits (drusen) that accumulate under the retinal pigment epithelium. Fibulin-3 is not present at the site of drusen formation in normal eyes. Fibulin-5 is an integrin-binding extracellular matrix protein that mediates endothelial cell adhesion.

### ORDERING INFORMATION

#### CATALOG NUMBER

X2751P

#### SIZE

100 µg

#### FORM

Affinity Purified

#### HOST/CLONE

Rabbit

#### FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

#### CONCENTRATION

See vial for concentration

#### ISOTYPE

IgG

#### APPLICATIONS

Western Blot, Immunohistochemistry, EIA

#### SPECIES REACTIVITY

Human

#### ACCESSION NUMBER

Q12805, Human

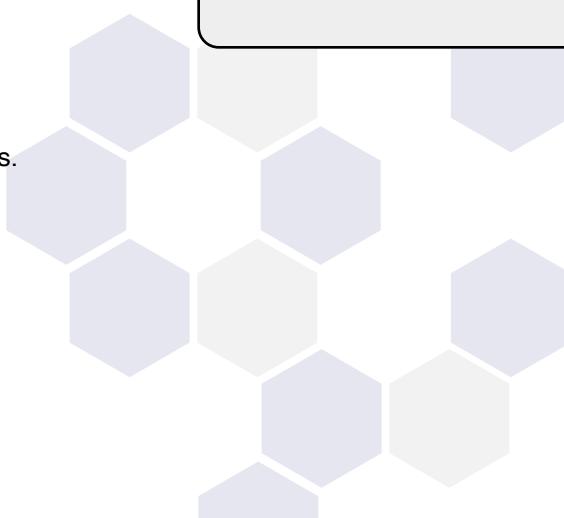
### IMMUNOGEN

Synthetic peptide derived from human fibulin-3 protein

### POSITIVE CONTROL/TISSUE EXPRESSION

### COMMENTS

Optimal concentration should be evaluated by serial dilutions.



**PURIFICATION**

Antigen Immunoaffinity Purification

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**

1. Ikegawa, S., et al. Structure and chromosomal assignment of the human S1-5 gene (FBNL) that is highly homologous to fibrillin. *Genomics* 35: 590-592 (1996)
2. Stone, E.M., et al. A single EFEMP1 mutation associated with both malattia leventinese and Doyne honeycomb retinal dystrophy. *Nat. Genet.* 22: 199-202 (1999)
3. Giltay, R., et al. Sequence, recombinant expression and tissue localization of two novel extracellular matrix proteins, Fibulin-3 and Fibulin-4. *Matrix Biol.* 18: 469-480 (1999)
4. Matsumoto, M., et al. Dominant radial drusen and Arg345Trp EFEMP1 mutation. *Am. J. Ophthalmol.* 131: 810-812 (2001)
5. Marmorstein, L.Y., et al. Aberrant accumulation of EFEMP1 underlies drusen formation in malattia leventinese and age-related macular degeneration. *Proc. Natl. Acad. Sci. USA* 99: 13067-13072 (2002)
6. Marmorstein, L.Y., et al. Association of EFEMP1 with malattia leventinese and age-related macular degeneration: a mini-review. *Ophthalmic Genet.* 25: 219-226 (2004)
7. Klenotic, P.A., et al. Tissue inhibitor of metalloproteinases-3 (TIMP-3) is a binding partner of epithelial growth factor-containing fibulin-like extracellular matrix protein 1 (EFEMP1). Implications for macular degenerations. *J. Biol. Chem.* 279: 30469-30473 (2004)
8. Narendran, N., et al. Analysis of the EFEMP1 gene in individuals and families with early onset drusen. *Eye* 19: 11-15 (2005)

**PRODUCT SPECIFIC REFERENCES**