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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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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 Doyme 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.

IMMUNOGEN

Synthetic peptide derived from human fibulin-3 protein

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Optimal concentration should be evaluated by serial dilutions.

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

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

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2. Stone, E.M., et al. A single EFEMP1 mutation associated with both malattia leventinese and Doyme 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