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EFEMP1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP9095a

Specification

EFEMP1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q12805

EFEMP1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 2202

Other Names
EGF-containing fibulin-like extracellular matrix protein 1, Extracellular protein S1-5, Fibrillin-like protein, Fibulin-3, FIBL-3, EFEMP1, FBLN3, FBNL

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP9095a was selected from the N-term region of human EFEMP1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

EFEMP1 Antibody (N-term) Blocking Peptide - 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. Secreted, extracellular space, extracellular matrix Note=Localizes to the lamina propria underneath the olfactory epithelium.

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

EFEMP1 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

EFEMP1 Antibody (N-term) Blocking Peptide - Images

EFEMP1 Antibody (N-term) Blocking Peptide - Background

EFEMP1 encodes a member of the fibulin family of extracellular matrix glycoproteins. Like all members of this family, the encoded protein contains tandemly repeated epidermal growth factor-like repeats followed by a C-terminus fibulin-type domain. This gene is upregulated in malignant gliomas and may play a role in the aggressive nature of these tumors.

EFEMP1 Antibody (N-term) Blocking Peptide - References

Okada,Y., et.al., Hum. Mol. Genet. (2010) In pressWakabayashi,T., et.al., Biochem. Biophys. Res. Commun. 391 (1), 1116-1121 (2010)