

## EFEMP1 Antibody (N-term)

Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9095a

### Specification

#### EFEMP1 Antibody (N-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">Q12805</a>
Other Accession	<a href="#">O35568</a> , <a href="#">Q8BPB5</a> , <a href="#">Q7YQD7</a>
Reactivity	Human, Mouse
Predicted	Monkey, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Antigen Region	119-148

#### EFEMP1 Antibody (N-term) - 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

This EFEMP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 119-148 amino acids from the N-terminal region of human EFEMP1.

#### Dilution

WB~~1:1000  
IHC-P~~1:50~100  
FC~~1:10~50

#### Format

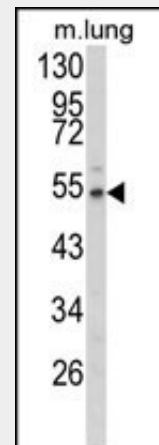
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

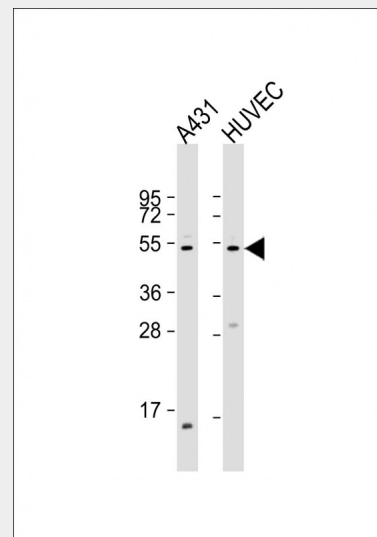
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

EFEMP1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.



Western blot analysis of EFEMP1 Antibody (N-term) (Cat. #AP9095a) in mouse lung tissue lysates (35ug/lane). EFEMP1 (arrow) was detected using the purified Pab.



All lanes : Anti-EFEMP1 Antibody (N-term) at 1:1000 dilution Lane 1: A431 whole cell lysate Lane 2: HUVEC whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

## EFEMP1 Antibody (N-term) - 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

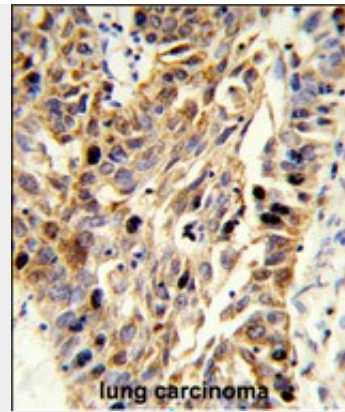
## EFEMP1 Antibody (N-term) - Protocols

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

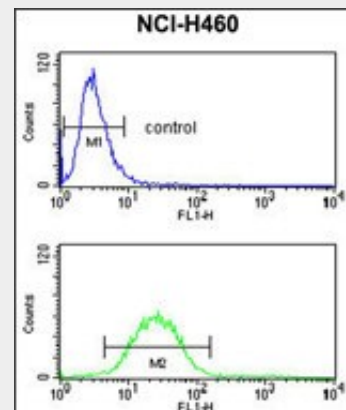
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## EFEMP1 Antibody (N-term) - Citations

- [EFEMP1 as a Potential Biomarker for Diagnosis and Prognosis of Osteosarcoma](#)
- [EFEMP1 promotes the migration and invasion of osteosarcoma via MMP-2 with induction by AEG-1 via NF- \$\kappa\$ B signaling pathway.](#)
- [Hypertensive vascular remodeling was inhibited by Xuezhikang through the regulation of](#)



Formalin-fixed and paraffin-embedded human lung carcinoma reacted with EFEMP1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



EFEMP1 Antibody (N-term) (Cat. #AP9095a) flow cytometry analysis of NCI-H460 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

## EFEMP1 Antibody (N-term) - 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) - References

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

- [Fibulin-3 and MMPs in spontaneously hypertensive rats.](#)
- [Anti-EGFR function of EFEMP1 in glioma cells and patient prognosis.](#)