SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-EFEMP1 antibody

Catalog Number: SL14516R

FOR RESEARCH USE ONLY

[DATASHEET]

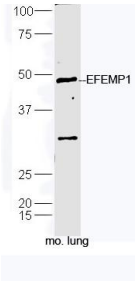
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	EFEMP1
Immunogen:	KLH conjugated synthetic peptide derived from human EFEMP1: 401-493/493
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat)
Predicted MW.:	53kDa
Subcellular Location:	cytoplasmic
Background:	This gene 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. Mutations in this gene are associated with Doyne honeycomb retinal dystrophy. Alternatively spliced transcript variants that encode the same protein have been described.[provided by RefSeq, Nov 2009] **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.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Subcellular Location: Secreted > extracellular space. Secreted > extracellular space > extracellular matrix. Localizes to the lamina propria underneath the olfactory epithelium. **Tissue Specificity:** 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. DISEASE: Defects in EFEMP1 are a cause of Doyne honeycomb retinal dystrophy (DHRD) [MIM:126600]; also known as malattia leventinese (MLVT) (ML). DHRD is an autosomal dominant disease characterized by yellow-white deposits known as drusen that accumulate beneath the retinal pigment epithelium. **Similarity:** Belongs to the fibulin family. Contains 6 EGF-like domains. **Database links:** **Entrez Gene:** 2202 Human **Entrez Gene:** 216616 Mouse **Entrez Gene:** 305604 Rat Omim: 601548 Human **SwissProt:** Q12805 Human **SwissProt:** Q8BPB5 Mouse **SwissProt:** O35568 Rat **Unigene:** 76224 Human **Unigene:** 44176 Mouse **Unigene:** 163265 Rat

[VALIDATION IMAGES]



Protein: lung(mouse) lysate at 40ug;
Primary: rabbit Anti-EFEMP1 (SL14516R) at 1:300;
Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL0295G-HRP) at 1: 5000;
Predicted band size: 53 kD
Observed band size: 49 kD

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