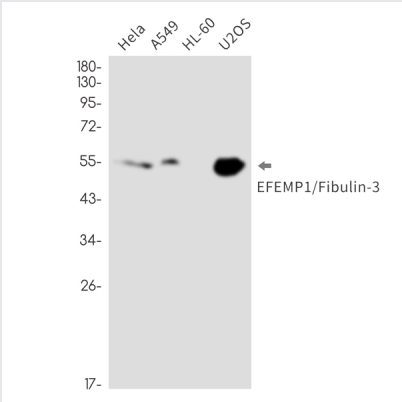
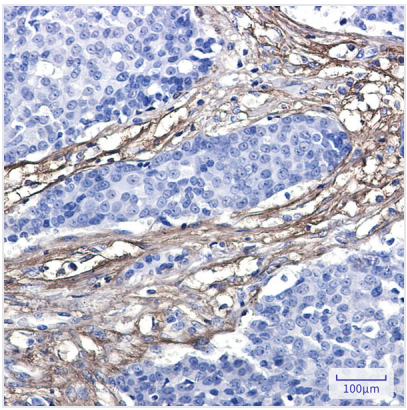
EFEMP1 Antibody – Rabbit Monoclonal

PRODUCT OVERVIEW

Product Name	EFEMP1, Monoclonal Antibody
Full Product Name	EFEMP1 Rabbit mAb
Product Gene Name	anti-EFEMP1 antibody
Product Synonym Names	DHRD; DRAD; FBNL; MLVT; MTLV; S1-5; FBLN3; FIBL-3; Fibulin-3
Clonality	Monoclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	50mM Tris-Glycine(pH7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	54,641 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (56093097..56151298, complement). Location: 2p16
OMIM	126600
3D Structure	ModBase 3D Structure for Q12805
Immunogen	Recombinant protein of human EFEMP1/Fibulin-3
Product Categories/Family for anti-EFEMP1 antibody	Primary Antibody
Applications Tested/Suitable for anti-EFEMP1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)
Application Notes for anti-EFEMP1 antibody	IP:1/20 WB: 1/500-1/1000 IHC: 1/50-1/100
Related Product Information for anti-EFEMP1 antibody	MBS9468045 is an antibody targeting EFEMP1. Also known as EFEMP1 Rabbit mAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-EFEMP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-EFEMP1 antibody
Western blot analysis of EFEMP1/Fibulin3 in Hela, A549, HL-60, U2OS lysates using EFEMP1 antibody.



Immunohistochemistry (IHC) of anti-EFEMP1 antibody
Immunohistochemistry analysis of paraffin-embedded Human breast cancer using EFEMP1/Fibulin3 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EFEMP1. It may not necessarily be applicable to this product.

NCBI GI #	86788015
NCBI GeneID	2202
NCBI Accession #	NP_001034437.1
UniProt Primary Accession #	Q12805
UniProt Secondary Accession #	Q541U7; A8K3I4; D6W5D2
UniProt Related Accession #	Q12805
GenBank Nucleotide #	NM_001039348.2
NCBI Official Full Name	EGF-containing fibulin-like extracellular matrix protein 1
NCBI Official Synonym Full Names	EGF containing fibulin-like extracellular matrix protein 1
NCBI Official Symbol	EFEMP1
NCBI Official Synonym Symbols	DHRD; DRAD; FBNL; MLVT; MTLV; S1-5; FBLN3; FIBL-3
UniProt Protein Name	EGF-containing fibulin-like extracellular matrix protein 1
UniProt Synonym Protein Names	Extracellular protein S1-5; Fibrillin-like protein; Fibulin-3
Protein Family	EGF-containing fibulin-like extracellular matrix protein
UniProt Gene Name	EFEMP1
UniProt Synonym Gene Names	FBLN3; FBNL; FIBL-3
UniProt Entry Name	FBLN3_HUMAN
NCBI Protein Information	EGF-containing fibulin-like extracellular matrix protein 1; fibulin-3; extracellular protein S1-5
NCBI Summary for EFEMP1	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]

UniProt Comments for EFEMP1	EFEMP1: 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. Defects in EFEMP1 are a cause of Doyne honeycomb retinal dystrophy (DHRD); 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. Belongs to the fibulin family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 2p16 Cellular Component: extracellular matrix; proteinaceous extracellular matrix; extracellular space; extracellular region Molecular Function: protein binding; growth factor activity; epidermal growth factor receptor activity; calcium ion binding; epidermal growth factor receptor binding Biological Process: epidermal growth factor receptor signaling pathway; extracellular matrix organization and biogenesis; peptidyl-tyrosine phosphorylation; regulation of transcription, DNA-dependent; visual perception; negative regulation of chondrocyte differentiation Disease: Doyne Honeycomb Retinal Dystrophy
Research Articles on EFEMP1	**1.** The expressions of fibulin-3 mRNA and protein were not different between the prolapse and no prolapse groups. It is unlikely that abnormal expression of fibulin-3 has a major role in the pathogenesis of anterior vaginal wall prolapse.
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