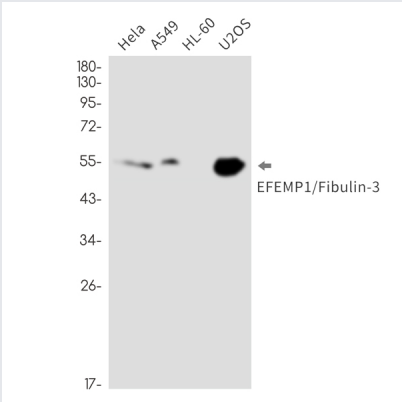
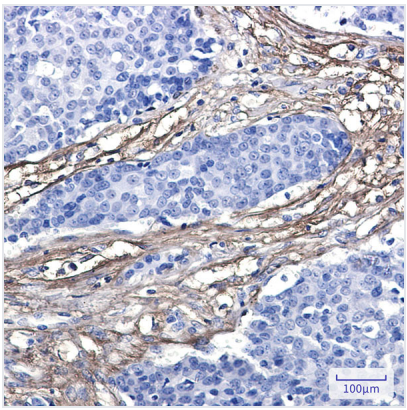
# EFEMP1 Antibody – Rabbit Monoclonal

## 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<br>WB: 1/500-1/1000<br>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.<br><br>Protein type: Secreted; Secreted, signal peptide<br><br>Chromosomal Location of Human Ortholog: 2p16<br><br>Cellular Component: extracellular matrix; proteinaceous extracellular matrix; extracellular space; extracellular region<br><br>Molecular Function: protein binding; growth factor activity; epidermal growth factor receptor activity; calcium ion binding; epidermal growth factor receptor binding<br><br>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<br><br>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. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
| **Disclaimer** | While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice.<br><br>It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information. |
| **Product Note** | Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details. |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures.

**MyBioSource** | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/efemp1/9468045