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KD-Validated Anti-EFEMP1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI2210

Specification

KD-Validated Anti-EFEMP1 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC**
Primary Accession	Q12805
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 55 kDa; observed, 55-65 kDa KDa**
Gene Name	**EFEMP1**
Aliases	**EFEMP1; EGF Containing Fibulin Extracellular Matrix Protein 1; FBLN3; EGF-Containing Fibulin-Like Extracellular Matrix Protein 1; S1-5; MTLV; FBNL; EGF Containing Fibulin Like Extracellular Matrix Protein 1; Extracellular Protein S1-5; Fibulin-3; FIBL-3; DHRD; Glaucoma 1, Open Angle, H (Adult-Onset); Fibrillin-Like Protein; Fibrillin-Like; Fibulin 3; ARCL1D; GLC1H; DRAD; MLVT**
Immunogen	**Recombinant protein of human EFEMP1/Fibulin-3**

KD-Validated Anti-EFEMP1 Rabbit Monoclonal Antibody - 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

KD-Validated Anti-EFEMP1 Rabbit Monoclonal Antibody - 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, extracellular matrix. Note=Localizes to the lamina propria

underneath the olfactory epithelium {ECO:0000250|UniProtKB:O35568}

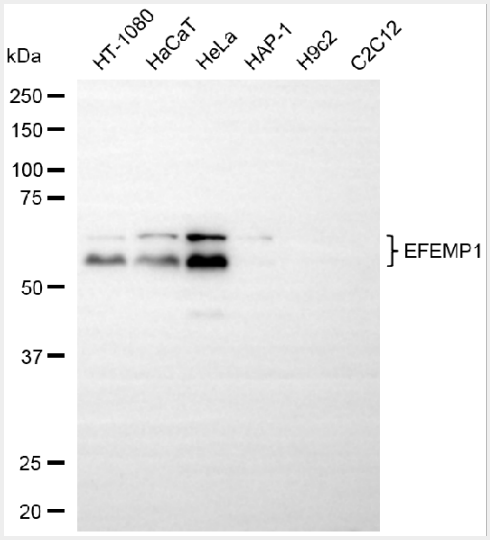
Tissue Location
In the eye, associated with photoreceptor outer and inner segment regions, the nerve fiber layer, outer nuclear layer and inner and outer plexiform layers of the retina

KD-Validated Anti-EFEMP1 Rabbit Monoclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-EFEMP1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-EFEMP1 antibody (Cat#AGI2210). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-EFEMP1 antibody (Cat#AGI2210, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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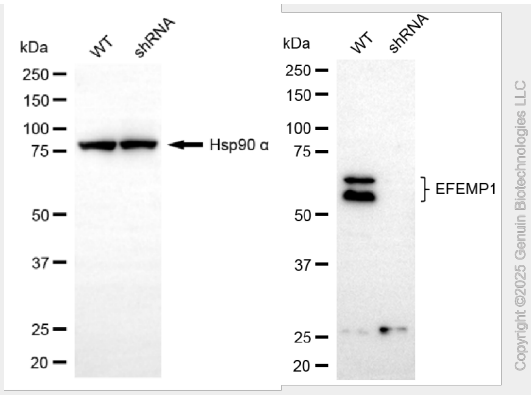
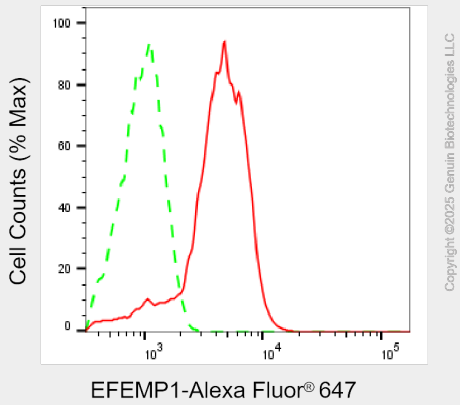


Western blotting analysis using anti-EFEMP1 antibody (Cat#AGI2210). EFEMP1 expression in wild-type (WT) and EFEMP1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-EFEMP1 antibody (Cat#AGI2210, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of EFEMP1 expression in HeLa cells using anti-EFEMP1 antibody (Cat#AGI2210, 1:2,000). Green, isotype control; red, EFEMP1.