

FREM1 Antibody

Catalog # ASC11159

Product Information

Application	WB, IF, ICC, E
Primary Accession	Q5H8C1
Other Accession	NP_659403 , 122056683
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	244154
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	FREM1 antibody can be used for detection of FREM1 by Western blot at 0.5 - 1 μ g/mL. Antibody can also be used for immunocytochemistry starting at 20 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	158326
Other Names	FRAS1-related extracellular matrix protein 1, Protein QBRICK, FREM1, C9orf143, C9orf145, C9orf154
Target/Specificity	FREM1;
Reconstitution & Storage	FREM1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	FREM1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FREM1 (HGNC:23399)
Function	Extracellular matrix protein that plays a role in epidermal differentiation and is required for epidermal adhesion during embryonic development.
Cellular Location	Secreted, extracellular space, extracellular matrix, basement membrane {ECO:0000250 UniProtKB:Q684R7} Note=Localizes at the basement membrane zone of embryonic epidermis and hair follicles. {ECO:0000250 UniProtKB:Q684R7}

Background

FREM1 Antibody: FREM1 is a member of the FRAS1-related extracellular matrix protein family and is thought to play a role in craniofacial and renal development. FREM1 functions as an extracellular matrix protein that is essential for epidermal adhesion during embryogenesis and may also participate in epidermal differentiation. It is recognized by cells in the embryonic skin and hair follicles through different members of the integrin family. Deficiency in the *Fras1*/*Frem* genes gives rise to the bleb phenotype, which is equivalent to the human hereditary disorder Fraser syndrome.

References

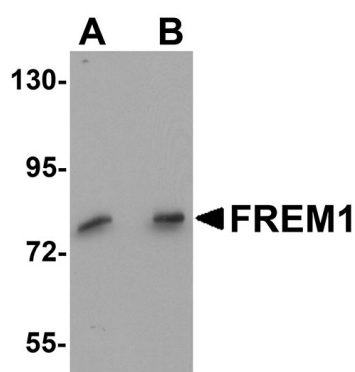
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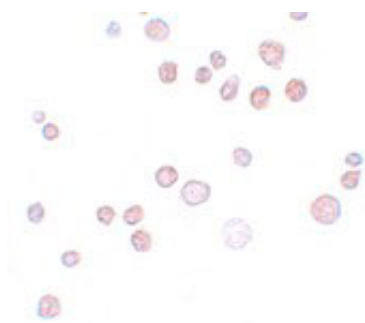
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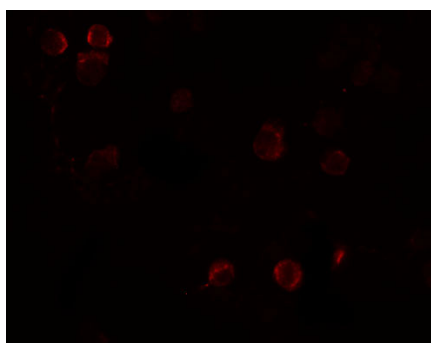
Images



Western blot analysis of FREM1 in K562 cell lysate with FREM1 antibody at (A) 0.5 and (B) 1 μ g/mL.



Immunocytochemistry of FREM1 in K562 cells with FREM1 antibody at 20 μ g/mL.



Immunofluorescence of FREM1 in K562 cells with FREM1 antibody at 20 μ g/mL.

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