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Datasheet for 600-401-BH1

FREM1 Antibody

Overview

Description:	Anti-FREM1 (RABBIT) Antibody - 600-401-BH1
Item No.:	600-401-BH1
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	FREM1 Antibody, BNAR, MOTA, TILRR, TRIGNO2, C9orf143, C9orf145, C9orf154, FRAS1-related extracellular matrix protein 1, Protein QBRICK
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FREM1
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-FREM1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the C-terminus of human FREM1.

Purity/Specificity:	Anti-FREM1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with FREM1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q5H8C1 • GeneID - 158326 • NCBI - NP_659403

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-FREM1 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 244 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5000 - 1:10000
IF:	20 µg/mL
WB:	0.5-1 µg/mL

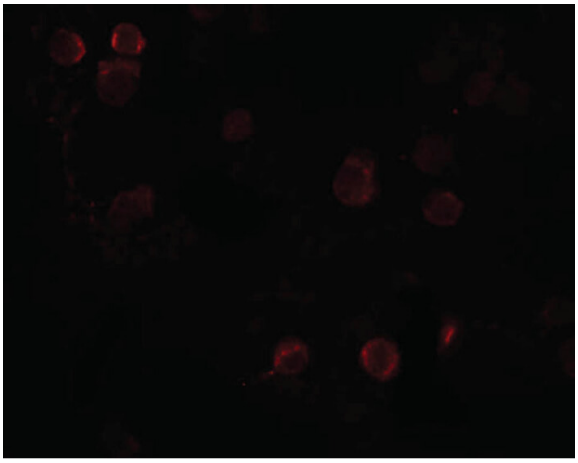
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

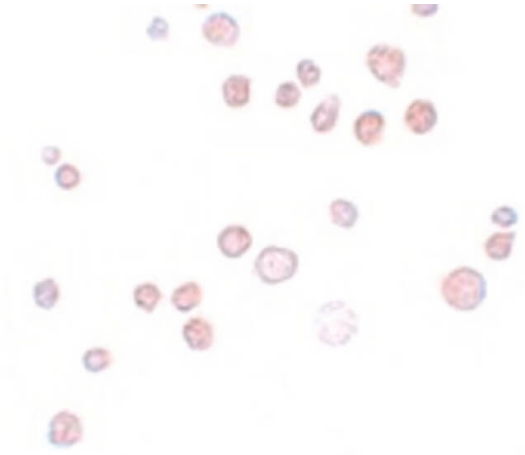
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

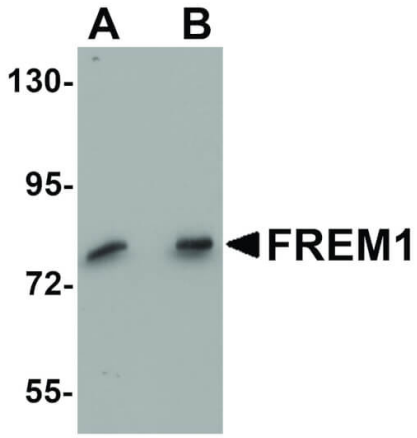
Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of FREM1 antibody. Tissue: K562 cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: FREM1 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: FREM1 is secreted into the extracellular space. Staining: FREM1 as red fluorescent signal.



Immunohistochemistry
Immunocytochemistry of FREM1 antibody. Tissue: K562 cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: FREM1 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: FREM1 is secreted into the extracellular space. Staining: FREM1 as precipitated blue signal with pink nuclear counterstain.



Western Blot
Western Blot of FREM1 antibody. Lane 1: K562 cell lysate with FREM1 antibody at 0.5 µg/mL. Lane 2: K562 cell lysate with FREM1 antibody at 1 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 80 kDa, 80 kDa for FREM1. Other band(s): FREM1 splice variants and isoforms.

Disclaimer

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