abcam

Product datasheet

Anti-Fibulin-4 antibody [EPR684(2)] ab125073

Recombinant RabMAb

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Overview

Product name	Anti-Fibulin-4 antibody [EPR684(2)]
Description	Rabbit monoclonal [EPR684(2)] to Fibulin-4
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P **Unsuitable for:** Flow Cyt,ICC/IF or IP
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	Synthetic peptide within Human Fibulin-4 aa 400-500. The exact sequence is proprietary.
Positive control	JAR and SW480 cell lysates, Human fetal lung lysate, Human breast carcinoma and muscle tissues.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**. Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Constituents: 0.35% Sodium citrate, 0.17% Sodium chloride, 0.03% EDTA, 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number	EPR684(2)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab125073 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 49 kDa.
IHC-P	★★★★★ **(2)**	1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt,ICC/IF or IP.

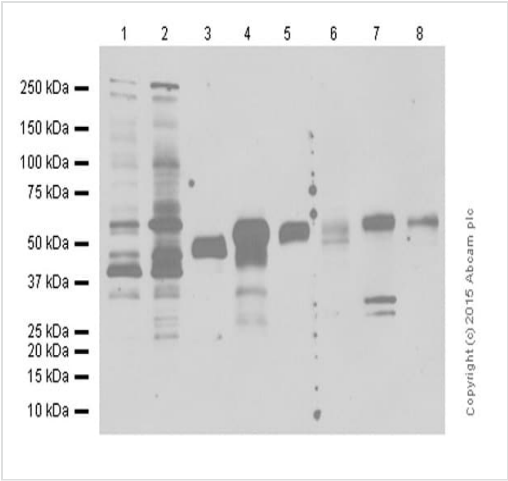
Target

Involvement in disease Defects in EFEMP2 are a cause of cutis laxa autosomal recessive type 1 (ARCL1) [MIM:219100]. Hereditary cutis laxa refers to a heterogeneous group of connective tissue disorders characterized by cutaneous abnormalities and variable systemic manifestations. The most constant clinical feature is loose skin, sagging over the face and trunk. Hereditary cutis laxa is inherited in both autosomal dominant and autosomal recessive modes. ARCL1 shows the most severe phenotype and has the poorest prognosis. In addition to the skin, internal organs enriched in elastic fibers, such as the lung and arteries, are affected.

Sequence similarities Belongs to the fibulin family.
Contains 6 EGF-like domains.

Cellular localization Secreted.

Images



Western blot - Anti-Fibulin-4 antibody [EPR684(2)] (ab125073)

All lanes : Anti-Fibulin-4 antibody [EPR684(2)] (ab125073) at 1/1000 dilution

Lane 1 : HEK-293T (human embryonic kidney) whole cell lysates
Lane 2 : HepG2 (human hepatocellular carcinoma) whole cell lysates
Lane 3 : Human fetal lung tissue lysates
Lane 4 : Human colon cancer tissue lysates
Lane 5 : Human placenta tissue lysates
Lane 6 : Mouse placenta tissue lysates
Lane 7 : Mouse lung tissue lysates
Lane 8 : NIH/3T3 (mouse embryo) whole cell lysates

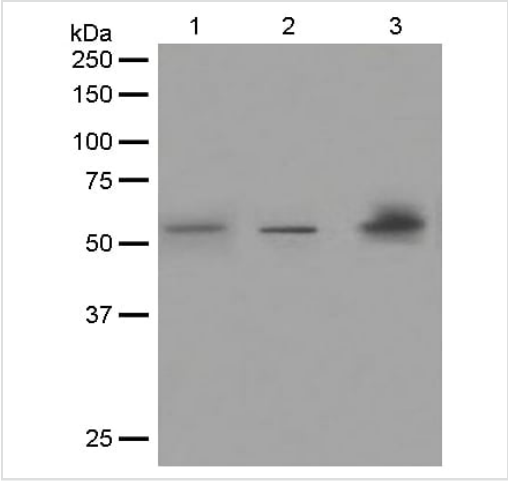
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 49 kDa
Observed band size: 55 kDa

Exposure time: 3 minutes

Blocking and diluting buffer: 5% NFDM/TBST



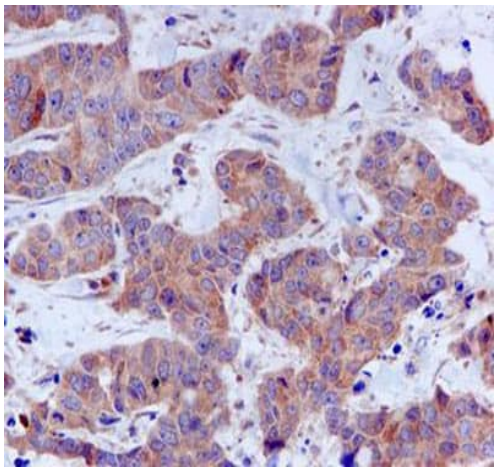
Western blot - Anti-Fibulin-4 antibody [EPR684(2)] (ab125073)

All lanes : Anti-Fibulin-4 antibody [EPR684(2)] (ab125073) at 1/1000 dilution

Lane 1 : JAR cell lysate
Lane 2 : SW480 cell lysate
Lane 3 : Human fetal lung tissue lysate

Lysates/proteins at 10 µg per lane.

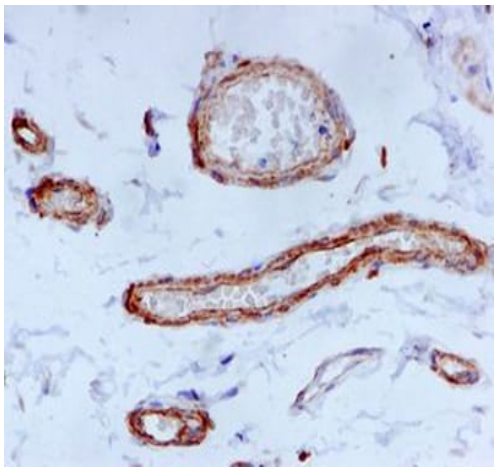
Predicted band size: 49 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fibulin-4 antibody [EPR684(2)] (ab125073)

ab125073, at 1/250, staining Fibulin-4 in paraffin-embedded Human breast carcinoma tissue by immunohistochemistry.

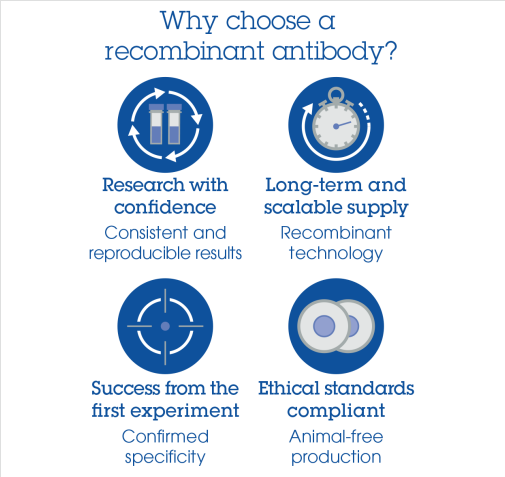
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fibulin-4 antibody [EPR684(2)] (ab125073)

ab125073, at 1/250, staining Fibulin-4 in paraffin-embedded Human muscle tissue by immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Anti-Fibulin-4 antibody [EPR684(2)] (ab125073)

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