

Datasheet for ABIN3042357
anti-MEFV antibody (N-Term)



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1 Image

Overview

Quantity:	100 µg
Target:	MEFV
Binding Specificity:	AA 5-39, N-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEFV antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-MEFV Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human MEFV, different from the related mouse sequence by eight amino acids, and from the related rat sequence by eleven amino acids.
Sequence:	PSDHLLSTLE ELVPYDFEKF KFKLQNTSVQ KEHSR
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-MEFV Antibody Picoband® (ABIN3042357). Tested in WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband,

Product Details

ensuring unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: MEFV

Alternative Name: MEFV ([MEFV Products](#))

Background: Synonyms: Pyrin,Marenostrin,MEFV,MEF, TRIM20 ,
Tissue Specificity: Expressed in peripheral blood leukocytes, particularly in mature granulocytes and to a lesser extent in monocytes but not in lymphocytes. Detected in spleen, lung and muscle, probably as a result of leukocyte infiltration in these tissues. Not expressed in thymus, prostate, testis, ovary, small intestine, colon, heart, brain, placenta, liver, kidney, pancreas. Expression detected in several myeloid leukemic, colon cancer, and prostate cancer cell lines. .
Background: MEFV (Mediterranean fever) is a human gene that provides instructions for making a protein called pyrin (also known as marenostrin). Pyrin is produced in certain white blood cells (neutrophils, eosinophils and monocytes) that play a role in inflammation and in fighting infection. Inside these white blood cells, pyrin is found with the cytoskeleton, the structural framework that helps to define the shape, size, and movement of a cell. Pyrin's protein structure also allows it to interact with other molecules involved in fighting infection and in the inflammatory response. Although pyrin's function is not fully understood, it likely assists in keeping the inflammation process under control. Research indicates that pyrin helps regulate inflammation by interacting with the cytoskeleton. And Pyrin may the migration of white blood cells to sites of inflammation and stop or slow the inflammatory response when it is no longer needed.

Molecular Weight: 86 kDa

Gene ID: 4210

UniProt: [O15553](#)

Pathways: [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human, Rat

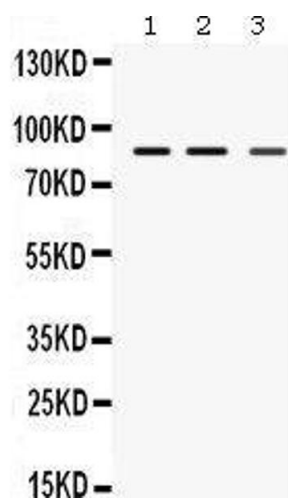
1. Dogan H, Akdemir F, Tasdemir S, Atis O, Diyarbakir E, Yildirim R, Emet M, Ikbali M (2014). "A novel insertion mutation identified in exon 10 of the MEFV gene associated with Familial

Application Details

	Mediterranean Fever". BMC Medical Genetics 15 (1): 74. 2. Mansfield E, Chae JJ, Komarow HD, Brotz TM, Frucht DM, Aksentijevich I, Kastner DL (Aug 2001). "The familial Mediterranean fever protein, pyrin, associates with microtubules and colocalizes with actin filaments". Blood 98(3): 851-9.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1.