

Product datasheet

Anti-Mitofusin 1 antibody [EPR7960] ab129154

Recombinant **RabMAb**

[2 References](#) [2 Images](#)

Overview

Product name	Anti-Mitofusin 1 antibody [EPR7960]
Description	Rabbit monoclonal [EPR7960] to Mitofusin 1
Host species	Rabbit
Tested applications	Suitable for: WB, IP, Flow Cyt Unsuitable for: ICC/IF or IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human Mitofusin 1 aa 550-650. The exact sequence is proprietary.
Positive control	K562, Jurkat and PC3 cell lysates; Permeabilized Jurkat cells.
General notes	Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

This product is a [recombinant rabbit monoclonal antibody](#).

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 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR7960
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab129154** 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		1/10000 - 1/50000. Detects a band of approximately 86 kDa (predicted molecular weight: 84 kDa).
IP		1/10 - 1/100.
Flow Cyt		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Application notes Is unsuitable for ICC/IF or IHC-P.

Target

Function Essential transmembrane GTPase, which mediates mitochondrial fusion. Fusion of mitochondria occurs in many cell types and constitutes an important step in mitochondria morphology, which is balanced between fusion and fission. MFN1 acts independently of the cytoskeleton. Overexpression induces the formation of mitochondrial networks.

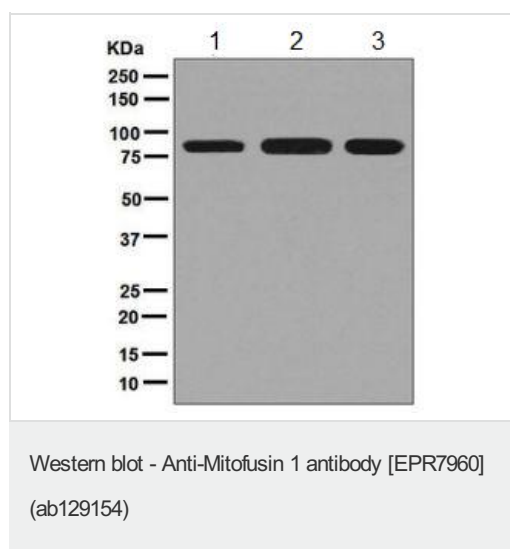
Tissue specificity Ubiquitous. Expressed at slightly higher level in kidney and heart. Isoform 2 may be overexpressed in some tumors, such as lung cancers.

Sequence similarities Belongs to the mitofusin family.

Post-translational modifications Ubiquitinated by MARCH5.

Cellular localization Cytoplasm and Mitochondrion outer membrane.

Images



All lanes : Anti-Mitofusin 1 antibody [EPR7960] (ab129154) at 1/10000 dilution

Lane 1 : K562 cell lysate

Lane 2 : Jurkat cell lysate

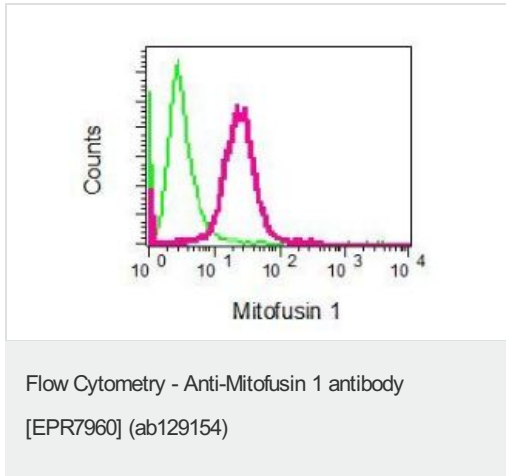
Lane 3 : PC3 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 84 kDa



ab129154 at 1/10 dilution staining Mitofusin 1 in permeabilized Jurkat cells by Flow Cytometry (red) or a rabbit IgG negative control (green).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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