

### Anti-FMN2 antibody - C-terminal ab226944

1 Image

#### Overview

<b>Product name</b>	Anti-FMN2 antibody - C-terminal
<b>Description</b>	Rabbit polyclonal to FMN2 - C-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human FMN2 (C terminal). The exact sequence is proprietary. Database link: <a href="#">Q9NZ56</a>
<b>Positive control</b>	WB: K562 and THP-1 whole cell extracts; human brain tissue extract.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 7.00</p> <p>Preservative: 0.025% Proclin 300</p> <p>Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)</p>
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab226944 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		1/500 - 1/3000. Predicted molecular weight: 180 kDa.

## Target

### Function

Required for asymmetric spindle positioning, asymmetric oocyte division and polar body extrusion during female germ cell meiosis (By similarity). Actin-binding protein that is involved in actin cytoskeleton assembly and reorganization. Acts as an actin nucleation factor and promotes assembly of actin filaments together with SPIRE1 and SPIRE2. Involved in intracellular vesicle transport along actin fibers, providing a novel link between actin cytoskeleton dynamics and intracellular transport. Plays a role in responses to DNA damage, cellular stress and hypoxia by protecting CDKN1A against degradation, and thereby plays a role in stress-induced cell cycle arrest. Protects cells against apoptosis by protecting CDKN1A against degradation.

### Tissue specificity

Expressed almost exclusively in the developing and mature central nervous system.

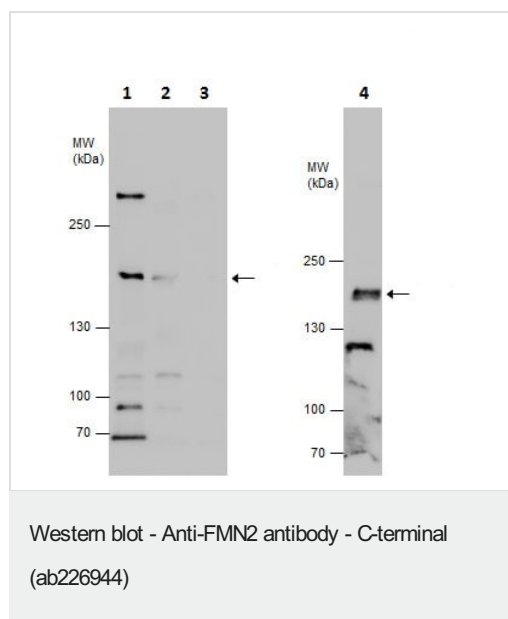
### Sequence similarities

Belongs to the formin homology family. Cappuccino subfamily.  
Contains 1 FH1 (formin homology 1) domain.  
Contains 1 FH2 (formin homology 2) domain.

### Cellular localization

Cytoplasm > cytoskeleton. Cytoplasm > perinuclear region. Cytoplasm > cytosol. Cell membrane. Cytoplasmic vesicle membrane. Cytoplasm > cell cortex. Nucleus > nucleolus. Recruited to the membranes via its interaction with SPIRE1. Colocalizes with the actin cytoskeleton. Detected at the cleavage furrow during asymmetric oocyte division and polar body extrusion.

## Images



**All lanes** : Anti-FMN2 antibody - C-terminal (ab226944) at 1/1000 dilution

**Lane 1** : K562 (human chronic myelogenous leukemia cell line from bone marrow) whole cell extract

**Lane 2** : THP-1 (human monocytic leukemia cell line) whole cell extract

**Lane 3** : HL-60 (human promyelocytic leukemia cell line) whole cell extract

**Lane 4** : Human brain extract

Lysates/proteins at 30 µg per lane.

Developed using the ECL technique.

**Predicted band size:** 180 kDa

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

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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