

## Product datasheet

# Anti-Flightless I antibody [EPR4202(2)] αb109015

Recombinant RabMAb

4 Images

### Overview

Product name	Anti-Flightless I antibody [EPR4202(2)]
Description	Rabbit monoclonal [EPR4202(2)] to Flightless I
Host species	Rabbit
Tested applications	<b>Suitable for:</b> WB, IHC-P, ICC/IF <b>Unsuitable for:</b> Flow Cyt or IP
Species reactivity	<b>Reacts with:</b> Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human heart, HeLa, A431, and A549 lysates; Human muscle tissue; HeLa cells
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant</p>
Purity	Protein A purified
Clonality	Monoclonal

Clone number	EPR4202(2)
Isotype	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab109015 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

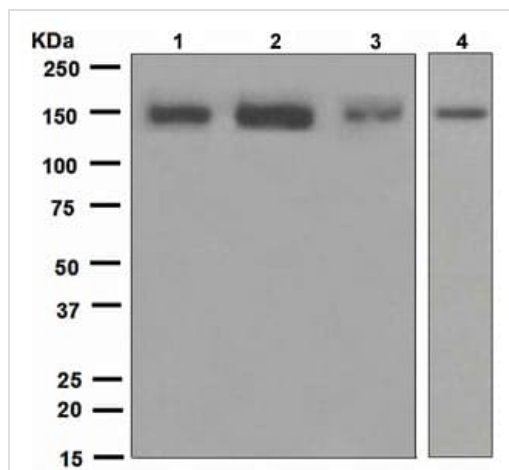
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 145 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/250.

**Application notes** Is unsuitable for Flow Cyt or IP.

## Target

<b>Function</b>	May play a role as coactivator in transcriptional activation by hormone-activated nuclear receptors (NR) and acts in cooperation with NCOA2 and CARM1. Involved in estrogen hormone signaling. Involved in early embryonic development (By similarity). May play a role in regulation of cytoskeletal rearrangements involved in cytokinesis and cell migration.
<b>Tissue specificity</b>	Strongest expression in skeletal muscle with high expression also in the heart and lung.
<b>Involvement in disease</b>	Deletion of the FLII gene may be a cause of Smith-Magenis syndrome (SMS) [MIM:182290]. It is a contiguous gene deletion syndrome involving developmental abnormalities and mental retardation. The spectrum of clinical findings includes short stature, brachydactyly, developmental delay, dysmorphic features, sleep disturbances, and behavioral problems.
<b>Sequence similarities</b>	Contains 5 gelsolin-like repeats. Contains 15 LRR (leucine-rich) repeats.
<b>Cellular localization</b>	Nucleus. Cytoplasm > cytoskeleton. Cytoplasm > cytoskeleton > centrosome. Colocalizes to actin-rich structures in blastocysts and, together with HRAS1, RHOA and CDC42, in migrating fibroblasts. Localizes to centrosomes.

## Images



Western blot - Anti-Flightless I antibody  
[EPR4202(2)] (ab109015)

**All lanes :** Anti-Flightless I antibody [EPR4202(2)] (ab109015) at  
1/1000 dilution

**Lane 1 :** Human heart tissue lysate

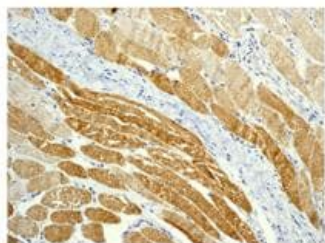
**Lane 2 :** HeLa cell lysate

**Lane 3 :** A431 cell lysate

**Lane 4 :** A549 cell lysate

Lysates/proteins at 10 µg per lane.

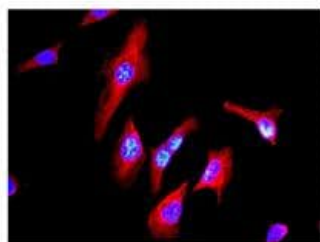
**Predicted band size:** 145 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-Flightless I antibody  
[EPR4202(2)] (ab109015)

Immunohistochemical analysis of Flightless 1 expression in paraffin-  
embedded Human muscle tissue using ab109015 at 1/100 dilution.

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



Immunocytochemistry/ Immunofluorescence - Anti-  
Flightless I antibody [EPR4202(2)] (ab109015)

Immunofluorescent staining of Flightless I in HeLa cells using  
ab109015 at 1/100 dilution.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Flightless I antibody [EPR4202(2)] (ab109015)

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

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