

## Product datasheet

# Anti-AIPL1 antibody [EPR7711] ab128960

Recombinant RabMAb

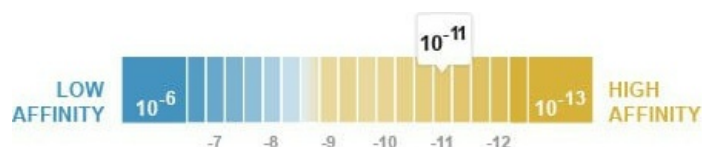
4 Images

### Overview

<b>Product name</b>	Anti-AIPL1 antibody [EPR7711]
<b>Description</b>	Rabbit monoclonal [EPR7711] to AIPL1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), WB <b>Unsuitable for:</b> ICC/IF or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human AIPL1 aa 350-450. The exact sequence is proprietary.
<b>Positive control</b>	Y79 cell lysate; permeabilized Y79 cells.
<b>General notes</b>	<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

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Dissociation constant (K<sub>D</sub>)</b>	K <sub>D</sub> = 2.25 x 10 <sup>-11</sup> M



[Learn more about K<sub>D</sub>](#)

<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR7711
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab128960 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

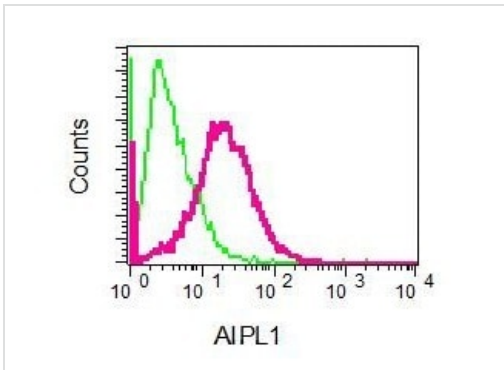
Application	Abreviews	Notes
<b>Flow Cyt (Intra)</b>		1/10 - 1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
<b>WB</b>		1/10000 - 1/50000. Detects a band of approximately 44 kDa (predicted molecular weight: 44 kDa).

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

## Target

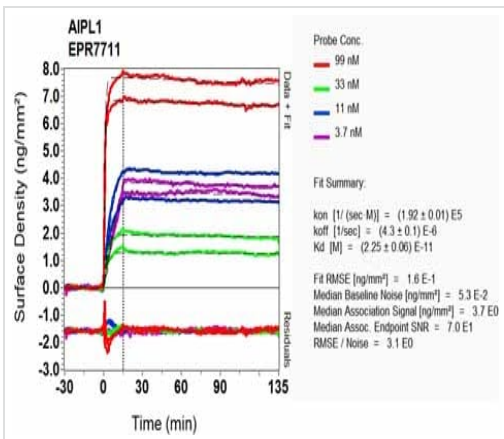
<b>Function</b>	May be important in protein trafficking and/or protein folding and stabilization.
<b>Tissue specificity</b>	Highly expressed in retina. Specifically localized to the developing photoreceptor layer and within the photoreceptors of the adult retina.
<b>Involvement in disease</b>	Defects in AIPL1 are the cause of Leber congenital amaurosis type 4 (LCA4) [MIM:604393]. LCA designates a clinically and genetically heterogeneous group of childhood retinal degenerations, generally inherited in an autosomal recessive manner. Affected infants have little or no retinal photoreceptor function as tested by electroretinography. LCA represents the most common genetic cause of congenital visual impairment in infants and children.
<b>Sequence similarities</b>	Contains 1 PPlase FKBP-type domain. Contains 3 TPR repeats.
<b>Cellular localization</b>	Cytoplasm. Nucleus.

## Images



Flow Cytometry (Intracellular) - Anti-AIPL1 antibody [EPR7711] (ab128960)

ab128960, at 1/10 dilution staining AIPL1 (red) in permeabilized Y79 cells, compared with a negative rabbit IgG (green) by intracellular flow cytometry.

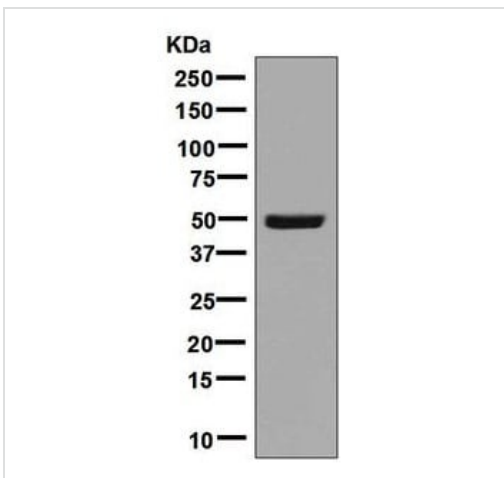


OI-RD Scanning - Anti-AIPL1 antibody [EPR7711] (ab128960)

Equilibrium disassociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)



Western blot - Anti-AIPL1 antibody [EPR7711] (ab128960)

Anti-AIPL1 antibody [EPR7711] (ab128960) at 1/10000 dilution + Y79 cell lysate at 10  $\mu$ g

**Secondary**

HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 44 kDa

**Observed band size:** 44 kDa

## 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-AIPL1 antibody [EPR7711] (ab128960)

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

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