

Product datasheet

Anti-PLGF antibody [EPR2802(2)] ab140639

Recombinant RabMAb

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Overview

Product name	Anti-PLGF antibody [EPR2802(2)]
Description	Rabbit monoclonal [EPR2802(2)] to PLGF
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human PLGF aa 50-150. The exact sequence is proprietary.
Positive control	JAR cell lysate; recombinant Human PLGF protein.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal

Clone number EPR2802(2)
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab140639 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: 25 kDa.

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

Target

Function Growth factor active in angiogenesis and endothelial cell growth, stimulating their proliferation and migration. It binds to the receptor FLT1/VEGFR-1. Isoform PIGF-2 binds NRP1/neuropilin-1 and NRP2/neuropilin-2 in a heparin-dependent manner.

Tissue specificity While the three isoforms are present in most placental tissues, PIGF-2 is specific to early (8 week) placenta and only PIGF-1 is found in the colon and mammary carcinomas.

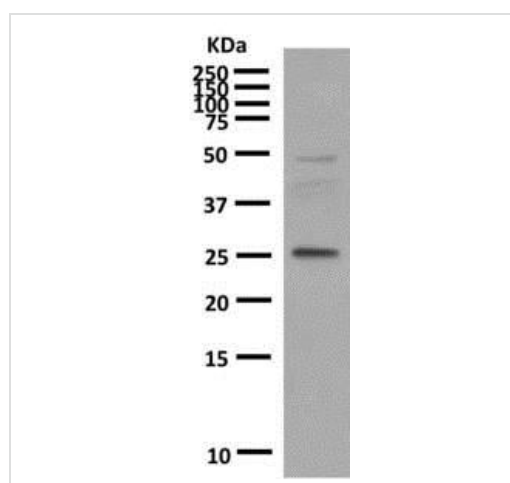
Sequence similarities Belongs to the PDGF/VEGF growth factor family.

Domain Isoform PIGF-2 contains a basic insert which acts as a cell retention signal.

Post-translational modifications N-glycosylated.

Cellular localization Secreted. The three isoforms are secreted but PIGF-2 appears to remain cell attached unless released by heparin.

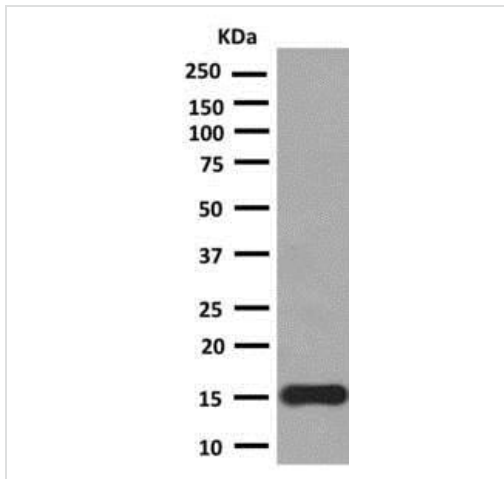
Images



Anti-PLGF antibody [EPR2802(2)] (ab140639) at 1/1000 dilution + JAR cell lysate at 10 µg

Predicted band size: 25 kDa

Western blot - Anti-PLGF antibody [EPR2802(2)]
(ab140639)






Anti-PLGF antibody [EPR2802(2)] (ab140639) at 1/1000 dilution +
Recombinant Human PLGF at 0.005 µg

Predicted band size: 25 kDa

Western blot - Anti-PLGF antibody [EPR2802(2)]
(ab140639)

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-PLGF antibody [EPR2802(2)] (ab140639)

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

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