

# Anti-Podoplanin antibody [PMab-1] - BSA and Azide free ab256564

リコンビナント

★★★★★ **1 Abreviews** **4 References** 画像数 6

### 製品の概要

製品名	Anti-Podoplanin antibody [PMab-1] - BSA and Azide free
製品の詳細	Rat monoclonal [PMab-1] to Podoplanin - BSA and Azide free
由来種	Rat
アプリケーション	<b>適用あり:</b> IHC-Fr, IHC-P, WB <b>適用なし:</b> ICC/IF
種交差性	<b>交差種:</b> Mouse
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Mouse lung tissue lysate. IHC-P: Mouse kidney and lung tissue. IHC-Fr: Mouse kidney and lung tissue.
特記事項	<p>ab256564 is the carrier-free version of <a href="#">ab256559</a>.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <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>

For more information [see here](#).

## 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Ion Exchange Chromatography
ポリ/モノ	モノクローナル
クローン名	PMab-1
アイソタイプ	IgG2a
軽鎖の種類	kappa

## アプリケーション

The Abpromise guarantee      **Abpromise保証は、次のテスト済みアプリケーションにおけるab256564の使用に適用されます**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-Fr		1/500.
IHC-P	★★★★★ (1)	1/1000.
WB		1/1000. Predicted molecular weight: 16 kDa.

追加情報      Is unsuitable for ICC/IF.

## ターゲット情報

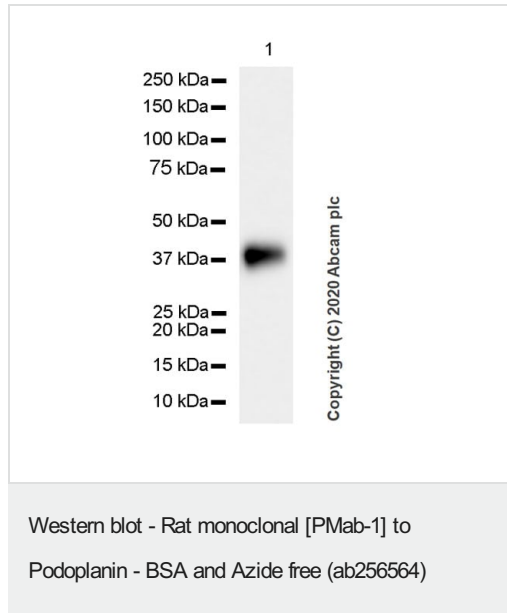
機能	May be involved in cell migration and/or actin cytoskeleton organization. When expressed in keratinocytes, induces changes in cell morphology with transfected cells showing an elongated shape, numerous membrane protrusions, major reorganization of the actin cytoskeleton, increased motility and decreased cell adhesion. Required for normal lung cell proliferation and alveolus formation at birth. Induces platelet aggregation. Does not have any effect on folic acid or amino acid transport. Does not function as a water channel or as a regulator of aquaporin-type water channels.
組織特異性	Highly expressed in placenta, lung, skeletal muscle and brain. Weakly expressed in brain, kidney and liver. In placenta, expressed on the apical plasma membrane of endothelium. In lung, expressed in alveolar epithelium. Up-regulated in colorectal tumors and expressed in 25% of early oral squamous cell carcinomas.
配列類似性	Belongs to the podoplanin family.
翻訳後修飾	Extensively O-glycosylated. Contains sialic acid residues. O-glycosylation is necessary for platelet

aggregation activity.  
The N-terminus is blocked.

## 細胞内局在

Membrane. Cell projection > filopodium membrane. Cell projection > lamellipodium membrane.  
Cell projection > microvillus membrane. Cell projection > ruffle membrane. Localized to actin-rich microvilli and plasma membrane projections such as filopodia, lamellipodia and ruffles.

## 画像



Anti-Podoplanin antibody [PMab-1] ([ab256559](#)) at 1/1000 dilution + mouse lung tissue lysate at 20 µg

### Secondary

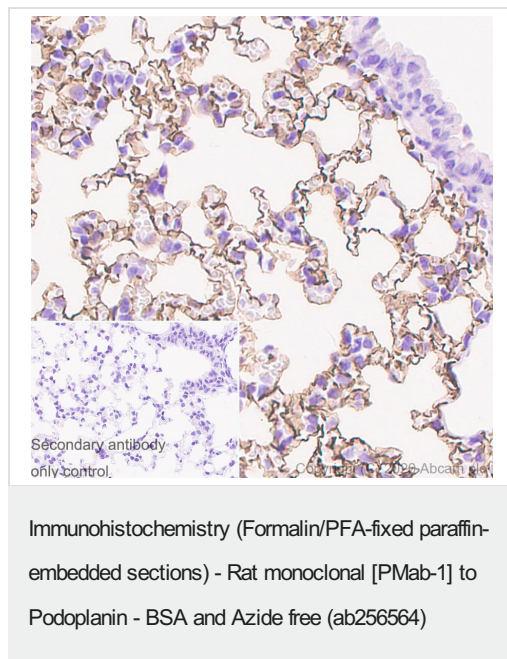
Goat Anti-Rat IgG H&L (HRP) ([ab205720](#)) at 1/10000 dilution

**Predicted band size:** 16 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time 26 secs.

This image was produced using the same antibody clone but in a different formulation [ab256559](#), PBS, sodium azide, glycerol and BSA.

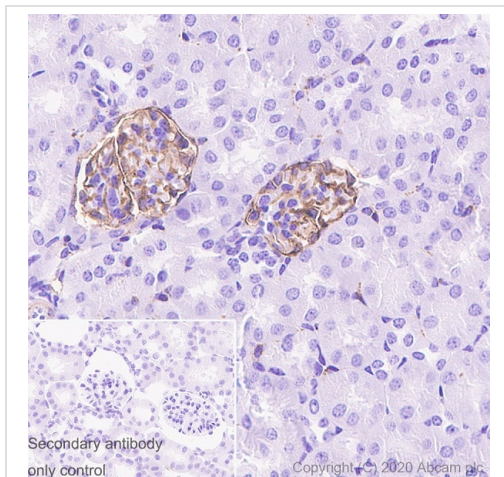


Immunohistochemical analysis of paraffin-embedded mouse lung tissue labeling Podoplanin / gp36 with [ab256559](#) at 1/1000 dilution followed by ready to use Goat Anti-Rat IgG H&L (HRP polymer) ([ab214882](#)). Positive staining on mouse lung is observed. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is ready to use Goat Anti-Rat IgG H&L (HRP polymer) ([ab214882](#)).

Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).

This image was produced using the same antibody clone but in a different formulation [ab256559](#), PBS, sodium azide, glycerol and BSA.



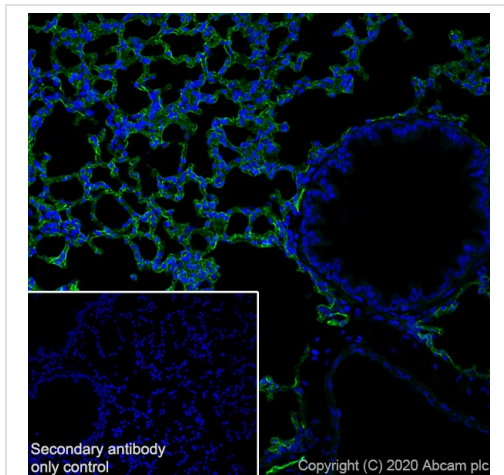
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Rat monoclonal [PMab-1] to Podoplanin - BSA and Azide free (ab256564)

Immunohistochemical analysis of paraffin-embedded mouse kidney tissue labeling Podoplanin / gp36 with [ab256559](#) at 1/1000 dilution followed by ready to use Goat Anti-Rat IgG H&L (HRP polymer) ([ab214882](#)). Positive staining on the podocytes in the mouse kidney is observed. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is ready to use Goat Anti-Rat IgG H&L (HRP polymer) ([ab214882](#)).

Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).

This image was produced using the same antibody clone but in a different formulation [ab256559](#), PBS, sodium azide, glycerol and BSA.



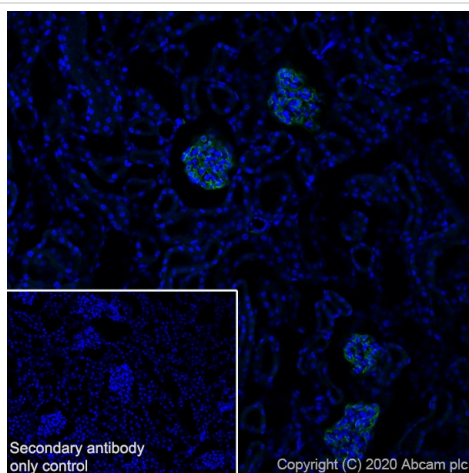
Immunohistochemistry (Frozen sections) - Rat monoclonal [PMab-1] to Podoplanin - BSA and Azide free (ab256564)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen mouse lung tissue labeling Podoplanin / gp36 with [ab256559](#) at 1/500 dilution followed by [ab150157](#) Goat Anti-Rat IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). Positive staining on mouse lung is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is [ab150157](#) Goat Anti-Rat IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

This image was produced using the same antibody clone but in a different formulation [ab256559](#), PBS, sodium azide, glycerol and BSA.



Immunohistochemistry (Frozen sections) - Rat monoclonal [PMab-1] to Podoplanin - BSA and Azide free (ab256564)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen mouse kidney tissue labeling Podoplanin / gp36 with **ab256559** at 1/500 dilution followed by **ab150157** Goat Anti-Rat IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). Positive staining on mouse kidney is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is **ab150157** Goat Anti-Rat IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

This image was produced using the same antibody clone but in a different formulation **ab256559**, PBS, sodium azide, glycerol and BSA.

#### 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

Rat monoclonal [PMab-1] to Podoplanin - BSA and Azide free (ab256564)

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

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