

Anti-15 Lipxygenase 1 antibody [EPR22138] ab244205

リコンビナント **RabMAb**

10 References **画像数 11**

製品の概要

製品名	Anti-15 Lipxygenase 1 antibody [EPR22138]
製品の詳細	Rabbit monoclonal [EPR22138] to 15 Lipxygenase 1
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB, IHC-Fr, IHC-P 適用なし: IP
種交差性	交差種: Mouse, Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HEK-293 transfected with 15 Lipxygenase 1 (WT) expression vector containing a myc-His-tag®, whole cell lysate; Mouse and rat lung lysates; Human colon lysate. IHC-P: Human colon and bronchus tissues; Mouse colon tissue; Rat bronchus tissue. IHC-Fr: Mouse colon tissue. ICC/IF: MCF7 and PC-12 cells.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	EPR22138
アイソタイプ	IgG

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ab244205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。

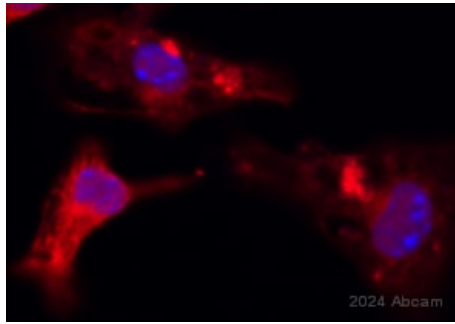
アプリケーション	Abreviews	特記事項
ICC/IF		1/50.
WB		1/1000. Detects a band of approximately 75 kDa (predicted molecular weight: 75 kDa).
IHC-Fr		1/500. Perform heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).
IHC-P		1/4000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

追加情報 Is unsuitable for IP.

ターゲット情報

機能	Converts arachidonic acid to 15S-hydroperoxyeicosatetraenoic acid. Also acts on C-12 of arachidonate as well as on linoleic acid.
パスウェイ	Lipid metabolism; leukotriene D4 biosynthesis.
配列類似性	Belongs to the lipoxygenase family. Contains 1 lipoxygenase domain. Contains 1 PLAT domain.
細胞内局在	Cytoplasm.

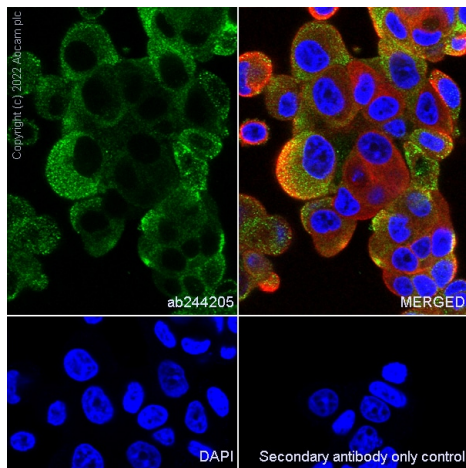
画像



Immunocytochemistry - Anti-15 Lipxygenase 1 antibody [EPR22138] (ab244205)

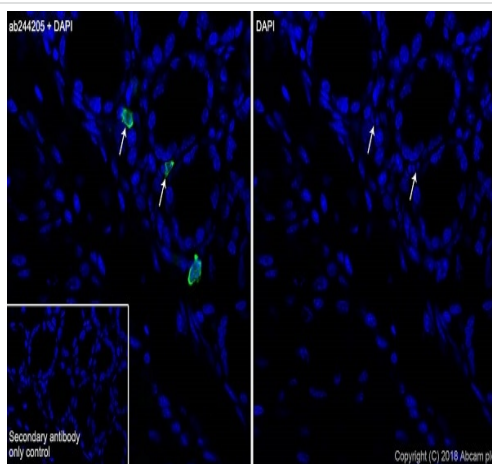
This image is courtesy of an Abreview submitted by Carter Yang

Immunocytochemistry analysis of formaldehyde-fixed 0.1% triton x100 permeabilized mouse macrophage cells staining with ab244205 at 1/200 dilution. Secondary antibody was Alexa Fluor™ 594 Anti-Rb at 1/500 dilution. Samples were incubated with the primary antibody for 1 hour at 25°C. Blocking was done using 5% BSA for 1 hour at 25°C.



Immunocytochemistry/ Immunofluorescence - Anti-15 Lipxygenase 1 antibody [EPR22138] (ab244205)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized MCF7 (human breast adenocarcinoma epithelial cell) cells labelling 15 Lipxygenase 1 with primary antibody anti-15 Lipxygenase 1 (ab244205) at 1/50 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed (**ab150081**) secondary antibody at 1/1000 dilution. Confocal image showing cytoplasmic staining in MCF7 cells. Anti-alpha Tubulin antibody (DM1A) - Microtubule Marker (Alexa Fluor® 594) (**ab195889**) was used to counterstain tubulin at 1/200 dilution. The nuclear counter stain is DAPI (blue).

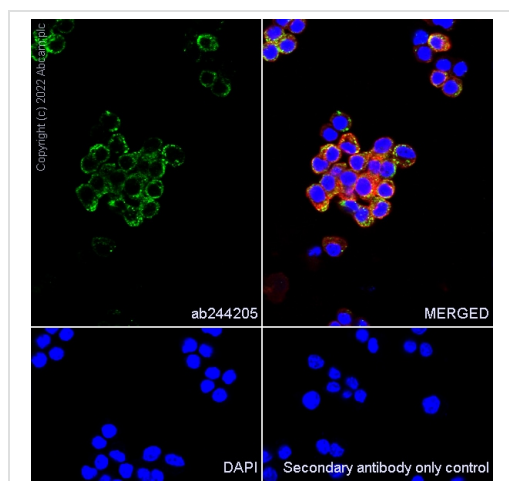


Immunohistochemistry (Frozen sections) - Anti-15 Lipxygenase 1 antibody [EPR22138] (ab244205)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen mouse colon tissue labeling 15 Lipxygenase 1 with ab244205 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Positive staining in eosinophils of mouse colon (PMID:23503644).

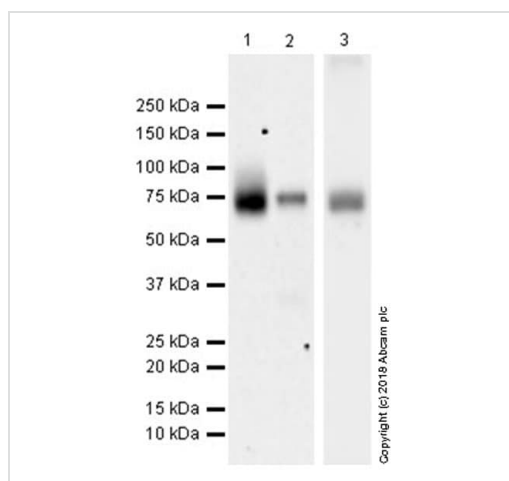
The nuclear counter stain is DAPI (blue). Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-15 Lipoxygenase 1 antibody [EPR22138] (ab244205)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized PC-12 (rat adrenal gland pheochromocytoma small irregularly shaped cells) cells labelling 15 Lipoxygenase 1 with primary antibody anti-15 Lipoxygenase 1 (ab244205) at 1/50 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed (**ab150081**) secondary antibody at 1/1000 dilution. Confocal image showing cytoplasmic staining in PC-12 cells. Anti-alpha Tubulin antibody (DM1A) - Microtubule Marker (Alexa Fluor® 594) (**ab195889**) was used to counterstain tubulin at 1/200 dilution. The nuclear counter stain is DAPI (blue).



Western blot - Anti-15 Lipoxygenase 1 antibody [EPR22138] (ab244205)

All lanes : Anti-15 Lipoxygenase 1 antibody [EPR22138] (ab244205) at 1/1000 dilution

Lane 1 : Mouse lung lysate

Lane 2 : Rat lung lysate

Lane 3 : Human colon lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

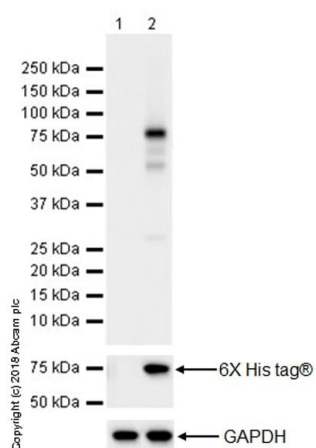
Predicted band size: 75 kDa

Observed band size: 75 kDa

Exposure time : Lanes 1 and 2: 3 minutes; Lane 3: 15 seconds.

Blocking/Dilution buffer: 5% NFDm/TBST.

The molecular weight observed is consistent with what has been described in the literature (PMID:30118527; PMID:1662607).



Western blot - Anti-15 Lipoxigenase 1 antibody [EPR22138] (ab244205)

All lanes : Anti-15 Lipoxigenase 1 antibody [EPR22138] (ab244205) at 1/1000 dilution

Lane 1 : HEK-293 (human epithelial cell line from embryonic kidney) transfected with an empty vector (vector control), containing a myc-His-tag®, whole cell lysate

Lane 2 : HEK-293 transfected with 15 Lipoxigenase 1 (WT) expression vector containing a myc-His-tag®, whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

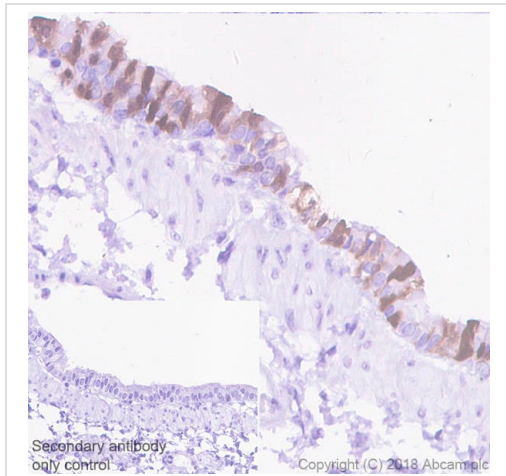
Predicted band size: 75 kDa

Observed band size: 75 kDa

Exposure time: 3 seconds

Blocking/Dilution buffer: 5% NFDm/TBST.

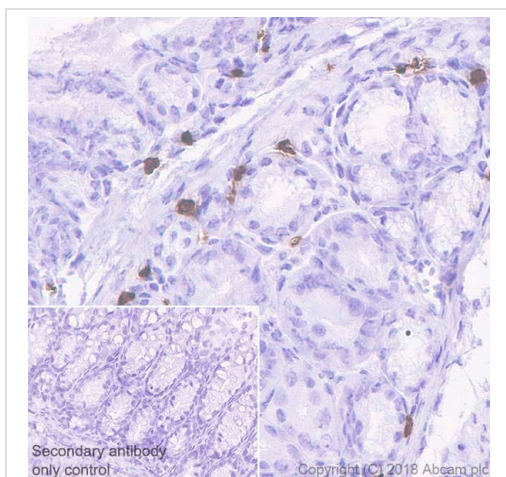
The molecular weight observed is consistent with what has been described in the literature (PMID:30118527; PMID:1662607).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-15 Lipoxygenase 1 antibody [EPR22138] (ab244205)

Immunohistochemical analysis of paraffin-embedded rat bronchus tissue labeling 15 Lipoxygenase 1 with ab244205 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Positive staining in epithelial cells of rat bronchus (PMID:24036245; PMID:21831839). Counter stained with hematoxylin. Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).

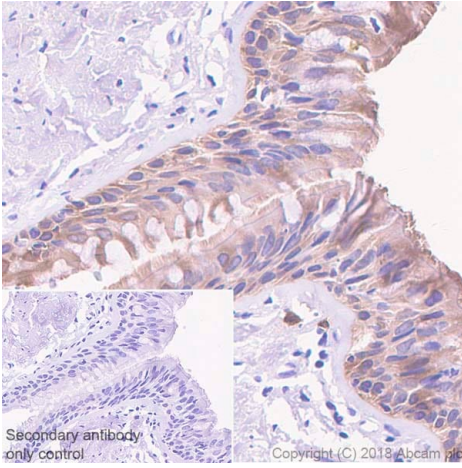
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-15 Lipoxygenase 1 antibody [EPR22138] (ab244205)

Immunohistochemical analysis of paraffin-embedded mouse colon tissue labeling 15 Lipoxygenase 1 with ab244205 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Positive staining in eosinophils of mouse colon (PMID:30118527; PMID:23503644). Counter stained with hematoxylin. Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).

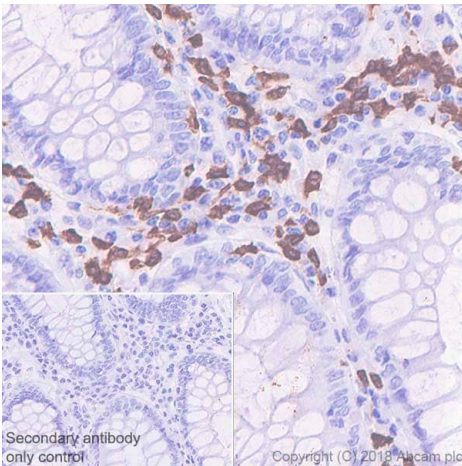
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-15 Lipoxygenase 1 antibody [EPR22138] (ab244205)

Immunohistochemical analysis of paraffin-embedded human bronchus tissue labeling 15 Lipoxygenase 1 with ab244205 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Positive staining in epithelial cells of human bronchus (PMID:24036245; PMID:21831839). Counter stained with hematoxylin. Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-15 Lipoxygenase 1 antibody [EPR22138] (ab244205)

Immunohistochemical analysis of paraffin-embedded human colon tissue labeling 15 Lipoxygenase 1 with ab244205 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Positive staining in eosinophils of human colon (PMID:30118527; PMID:23503644). Counter stained with hematoxylin. Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

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-15 Lipoxygenase 1 antibody [EPR22138]
(ab244205)

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

- 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.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors