


Anti-5 Lipoxygenase/5-LO antibody [EP6072(2)] ab169755

リコンビナント **RabMAb**

1 Abreviews **27 References** **画像数 10**

製品の概要

製品名	Anti-5 Lipoxygenase/5-LO antibody [EP6072(2)]
製品の詳細	Rabbit monoclonal [EP6072(2)] to 5 Lipoxygenase/5-LO
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), WB, IHC-P, ICC/IF
種交差性	交差種: Rat, Human 交差が予測される動物種: Dog  非交差種: Mouse
免疫原	Synthetic peptide within Human 5 Lipoxygenase/5-LO aa 100-200. The exact sequence is proprietary. Database link: P09917
ポジティブ・コントロール	Fetal thymus, K562 and HUVEC lysates. Human prostate and Human tonsil tissue. HUVEC cells.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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.
バッファー	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA, PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP6072(2)

アプリケーション

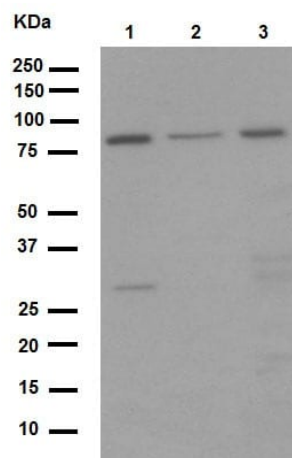
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab169755の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use at an assay dependent concentration. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/2000. Predicted molecular weight: 78 kDa.
IHC-P		1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. See <u>IHC antigen retrieval protocols</u> . For unpurified use at 1/100 - 1/250.
ICC/IF		1/100.

ターゲット情報

機能	Catalyzes the first step in leukotriene biosynthesis, and thereby plays a role in inflammatory processes.
パスウェイ	Lipid metabolism; leukotriene A4 biosynthesis.
配列類似性	Belongs to the lipoxygenase family. Contains 1 lipoxygenase domain. Contains 1 PLAT domain.
翻訳後修飾	Serine phosphorylation by MAPKAPK2 is stimulated by arachidonic acid. Phosphorylation on Ser-523 by PKA has an inhibitory effect. Phosphorylation on Ser-272 prevents export from the nucleus.
細胞内局在	Cytoplasm. Nucleus matrix. Nucleus membrane. Shuttles between cytoplasm and nucleus. Found exclusively in the nucleus, when phosphorylated on Ser-272. Calcium binding promotes translocation from the cytosol and the nuclear matrix to the nuclear envelope and membrane association.

画像



Western blot - Anti-5 Lipoxygenase/5-LO antibody [EP6072(2)] (ab169755)

All lanes : Anti-5 Lipoxygenase/5-LO antibody [EP6072(2)] (ab169755) at 1/1000 dilution

Lane 1 : Rat heart lysate

Lane 2 : Rat kidney lysate

Lane 3 : Rat spleen lysate

Lysates/proteins at 20 µg per lane.

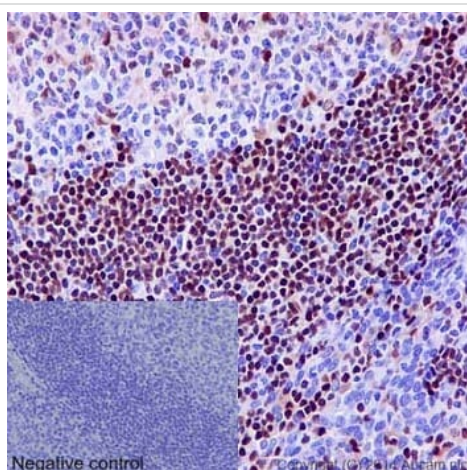
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), HRP-conjugated at 1/1000 dilution

Predicted band size: 78 kDa

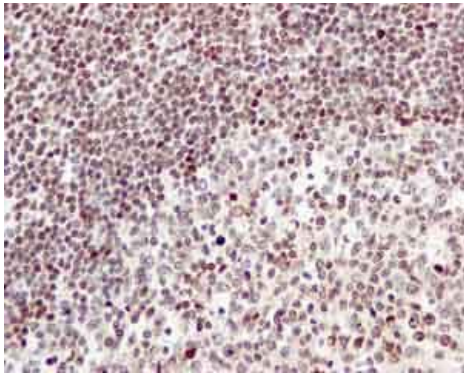
Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-5 Lipoxygenase/5-LO antibody [EP6072(2)] (ab169755)

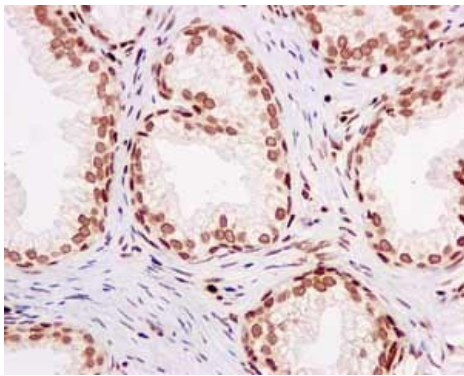
ab169755 staining 5 Lipoxygenase/5-LO in Human tonsil tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed and paraffin-embedded, antigen retrieval was by heat mediation in Tris/EDTA buffer pH9. Samples were incubated with primary antibody (1/100). An undiluted HRP-conjugated mouse anti-rabbit IgG was used as the secondary antibody. Tissue counterstained with Hematoxylin. PBS was used in the negative control rather than the Primary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-5 Lipoxigenase/5-LO antibody [EP6072(2)] (ab169755)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling 5 Lipoxigenase/5-LO with ab169755, unpurified, at 1/100 dilution.

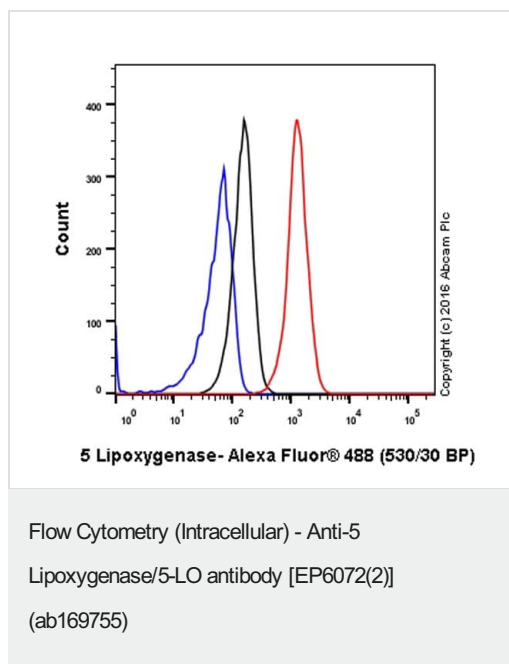
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-5 Lipoxigenase/5-LO antibody [EP6072(2)] (ab169755)

Immunohistochemical analysis of paraffin-embedded Human prostate tissue labeling 5 Lipoxigenase/5-LO with ab169755, unpurified, at 1/100 dilution.

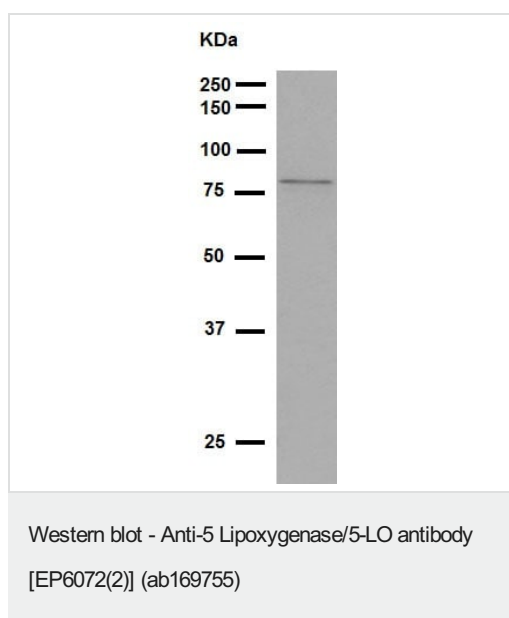
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



ab169755 staining 5 Lipoxigenase/5-LO in HUVEC (human umbilical vein/vascular endothelium) by intracellular flow cytometry. Cells were fixed with 4% paraformaldehyde, permabilised with 90% methanol and the sample was incubated with the primary antibody at a dilution of 1/130. A goat anti rabbit IgG (Alexa Fluor® 488) at a dilution of 1/2000 was used as the secondary antibody.

Isotype control: Rabbit monoclonal IgG (black).

Unlabelled control: Cell without incubation with primary antibody and secondary antibody (blue).



Anti-5 Lipoxigenase/5-LO antibody [EP6072(2)] (ab169755) at 1/1000 dilution + K562 cell Lysate at 10 µg

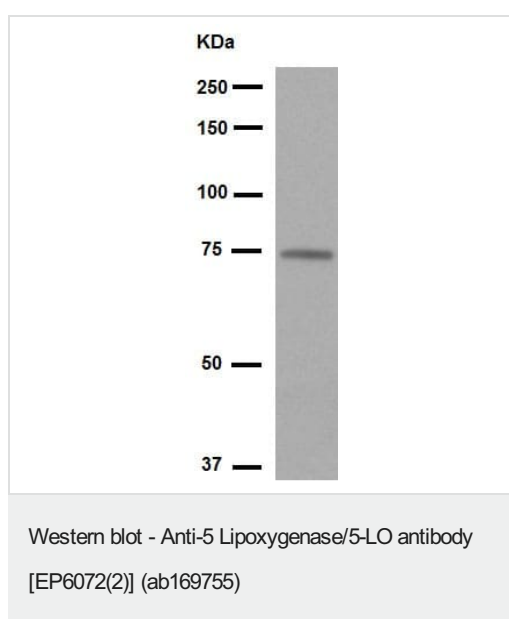
Secondary

Goat Anti-Rabbit IgG, (H+L), HRP-conjugated at 1/1000 dilution

Predicted band size: 78 kDa

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Human fetal thymus at 10 µg

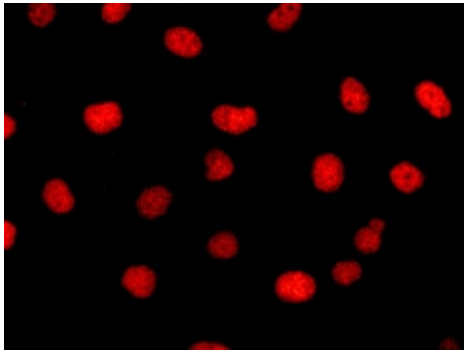
Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 78 kDa

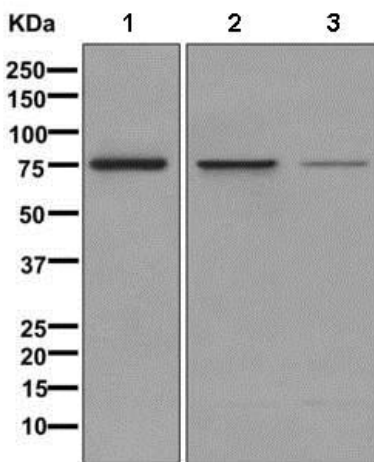
Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Immunocytochemistry/ Immunofluorescence - Anti-5
Lipoxygenase/5-LO antibody [EP6072(2)]
(ab169755)

Immunofluorescent analysis of HUVEC cells labeling 5
Lipoxygenase/5-LO with ab169755, unpurified, at 1/100 dilution.



Western blot - Anti-5 Lipoxygenase/5-LO antibody
[EP6072(2)] (ab169755)

All lanes : Anti-5 Lipoxygenase/5-LO antibody [EP6072(2)]
(ab169755) at 1/1000 dilution (unpurified)

Lane 1 : Fetal thymus lysate

Lane 2 : K562 lysate

Lane 3 : HUVEC lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 78 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-5 Lipoxygenase/5-LO antibody [EP6072(2)]
(ab169755)

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