


# Anti-5 Lipoxygenase/5-LO antibody [EP6072(2)] - BSA and Azide free ab227991

重组 RabMAb

1 References 6 图像

概述

产品名称	Anti-5 Lipoxygenase/5-LO抗体[EP6072(2)] - BSA and Azide free
描述	兔单克隆抗体[EP6072(2)] to 5 Lipoxygenase/5-LO - BSA and Azide free
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), ICC/IF, IHC-P, WB
种属反应性	与反应: Rat, Human 预测可用于: Dog  不与反应: Mouse
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Fetal thymus, K562 and HUVEC lysates. Human prostate and Human tonsil tissue. HUVEC cells.
常规说明	ab227991 is the carrier-free version of <a href="#">ab169755</a> .  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.  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.  Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.  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.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.2 Constituent: PBS

无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EP6072(2)
同种型	IgG

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab227991于以下的经测试应用

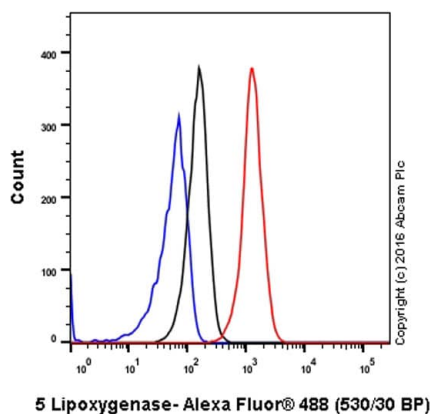
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		Use at an assay dependent concentration. <b>ab199376</b> - Rabbit monoclonal IgG (Low endotoxin, Azide free), is suitable for use as an isotype control with this antibody.
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. See <b><u>IHC antigen retrieval protocols</u></b> .
WB		Use at an assay dependent concentration. Predicted molecular weight: 78 kDa.

靶标

功能	Catalyzes the first step in leukotriene biosynthesis, and thereby plays a role in inflammatory processes.
通路	Lipid metabolism; leukotriene A4 biosynthesis.
序列相似性	Belongs to the lipoxygenase family. Contains 1 lipoxygenase domain. Contains 1 PLAT domain.
翻译后修饰	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.
细胞定位	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.

图片



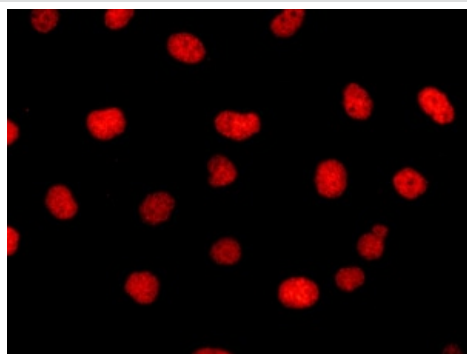
Flow Cytometry (Intracellular) - Anti-5 Lipoxigenase/5-LO antibody [EP6072(2)] - BSA and Azide free (ab227991)

**ab169755** staining 5 Lipoxigenase/5-LO in HUVEC (human umbilical vein/vascular endothelium) by intracellular flow cytometry. Cells were fixed with 4% paraformaldehyde, permeabilised 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.

Isootype control: Rabbit monoclonal IgG (black).

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

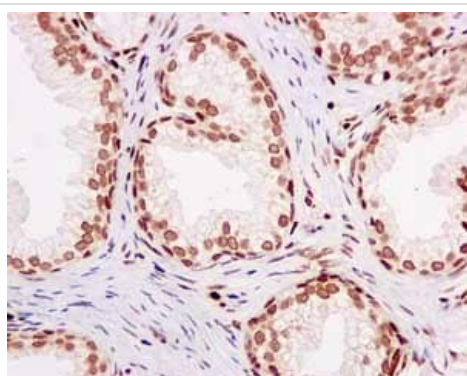
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab169755**).



Immunocytochemistry/ Immunofluorescence - Anti-5 Lipoxigenase/5-LO antibody [EP6072(2)] - BSA and Azide free (ab227991)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab169755**).

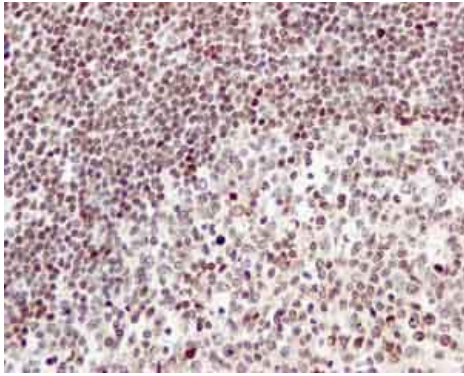


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-5 Lipoxigenase/5-LO antibody [EP6072(2)] - BSA and Azide free (ab227991)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab169755**).

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

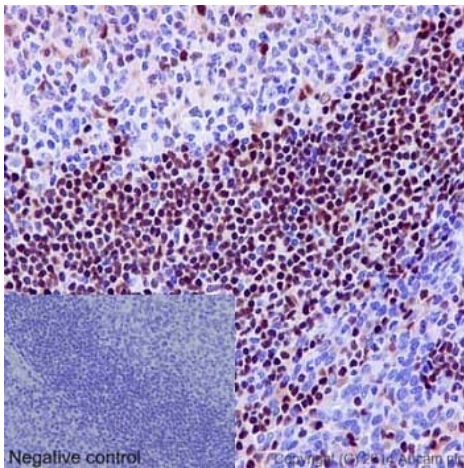


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-5 Lipoxigenase/5-LO antibody [EP6072(2)] - BSA and Azide free (ab227991)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab169755**).

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)] - BSA and Azide free (ab227991)

This IHC data was generated using the same anti-5 Lipoxigenase/5-LO antibody clone, EP6072(2), in a different buffer formulation (**ab169755**).

**ab169755** staining 5 Lipoxigenase/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.

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**Success from the first experiment**  
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