

Product datasheet

# Anti-Cytosolic Phospholipase A2 antibody ab104252

2 图像

概述

<b>产品名称</b>	Anti-Cytosolic Phospholipase A2抗体
<b>描述</b>	山羊多克隆抗体to Phospholipase A2
<b>宿主</b>	Goat
<b>经测试应用</b>	<b>适用于:</b> WB, ICC/IF
<b>种属反应性</b>	<b>与反应:</b> Mouse, Human <b>预测可用于:</b> Rat, Horse, Orangutan 
<b>免疫原</b>	Synthetic peptide: C-QEKTFRQQRKEHIR , corresponding to internal sequence amino acids 153-166 of Human Phospholipase A2 (NP_077734.1).  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>阳性对照</b>	WB: HeLa cell lysates. ICC/IF: A549 cells

性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>存储溶液</b>	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
<b>纯度</b>	Immunogen affinity purified
<b>纯化说明</b>	ab104252 was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>克隆</b>	多克隆
<b>同种型</b>	IgG

应用

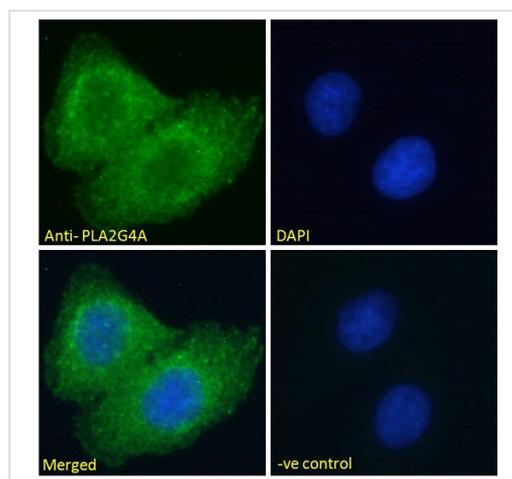
Our [Abpromise guarantee](#) covers the use of **ab104252** in the following tested applications.  
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		Use a concentration of 0.3 - 1 µg/ml. Predicted molecular weight: 85 kDa.
ICC/IF		Use a concentration of 10 µg/ml.

## 靶标

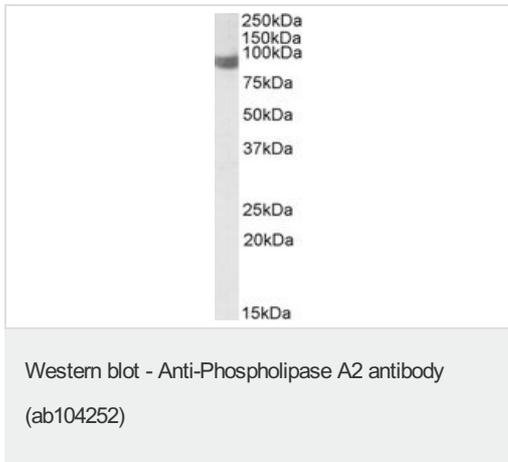
<b>功能</b>	Selectively hydrolyzes arachidonyl phospholipids in the sn-2 position releasing arachidonic acid. Together with its lysophospholipid activity, it is implicated in the initiation of the inflammatory response.
<b>组织特异性</b>	Expressed in various tissues such as macrophages, platelets, neutrophils, fibroblasts and lung endothelium.
<b>序列相似性</b>	Contains 1 C2 domain. Contains 1 PLA2c domain.
<b>结构域</b>	The N-terminal C2 domain associates with lipid membranes upon calcium binding. It modulates enzyme activity by presenting the active site to its substrate in response to elevations of cytosolic Ca(2+).
<b>翻译后修饰</b>	Activated by phosphorylation at both Ser-505 and Ser-727.
<b>细胞定位</b>	Cytoplasm. Cytoplasmic vesicle. Translocates to membrane vesicles in a calcium-dependent fashion.

## 图片



Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation with ab104252 for 1hr (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (2 µg/ml) (green). The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (2 µg/ml).

Immunocytochemistry/ Immunofluorescence - Anti-Phospholipase A2 antibody (ab104252)



Anti-Cytosolic Phospholipase A2 antibody (ab104252) at 1 µg +  
HeLa cell lysate at 35 µg

**Predicted band size:** 85 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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