

## Anti-PLA2G16 antibody

<b>Cat. No.</b>	ml263023
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-PLA2G16 rabbit polyclonal antibody
<b>Applications</b>	ELISA, IHC
<b>Immunogen</b>	Synthetic peptide of human PLA2G16
<b>Reactivity</b>	Human, Mouse, Rat
<b>Content</b>	0.5 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	PLA2G16
<b>Full name</b>	phospholipase A2 group XVI
<b>Synonyms</b>	AdPLA; HRSL3; HRASLS3; HREV107; HREV107-1; HREV107-3; H-REV107-1
<b>Swissprot</b>	P53816

### Target Background

Secretory phospholipase A2 (PLA2) enzymes cleave an acyl ester bond in the sn-2 position of glycerophospholipids. These extracellular proteins have a high disulfide bond content, low molecular mass (14 kDa), and require mM levels of Ca<sup>2+</sup> for catalysis. They play a crucial role in the generation of arachidonates and eicosanoids, and have a number of biological actions including immunological responses, inflammation, cellular proliferation, vasoconstriction, and bronchioconstriction. Exhibits PLA1/2 activity, catalyzing the calcium-independent hydrolysis of acyl groups in various phosphatidylcholines (PC) and phosphatidylethanolamine (PE). For most substrates, PLA1 activity is much higher than PLA2 activity. Specifically catalyzes the release of fatty acids from phospholipids in adipose tissue (By similarity). N- and O-acylation activity is hardly detectable. Might decrease protein phosphatase 2A (PP2A) activity.

订购热线: 4008-898-798

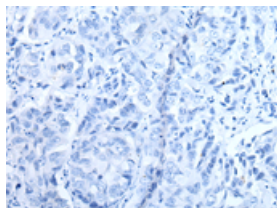
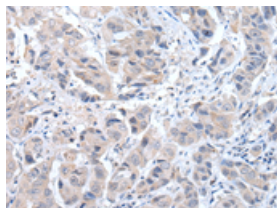
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm or Cell membrane

Positive control: Human breast cancer

Recommended dilution: 25-100

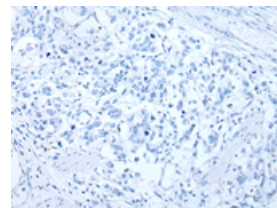
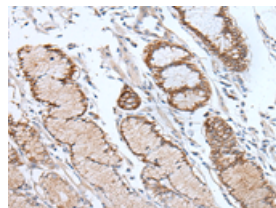


The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using ml263023(PLA2G16 Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm or Cell membrane

Positive control: Human gastric cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using ml263023(PLA2G16 Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

### ELISA

Recommended dilution: 5000-10000

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