

## PLA2G16 Antibody

Catalog No: #43690

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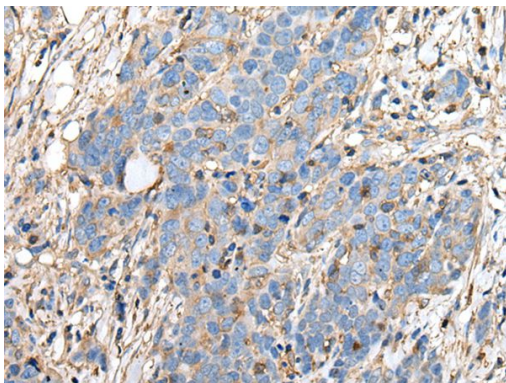
## Description

Product Name	PLA2G16 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total PLA2G16 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human PLA2G16
Target Name	PLA2G16
Other Names	AdPLA; HRSL3; HRASLS3; HREV107; HREV107-1; HREV107-3; H-REV107-1
Accession No.	Swiss-Prot#: P53816NCBI Gene ID: 11145
Uniprot	P53816
GeneID	11145;
Concentration	1.5mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

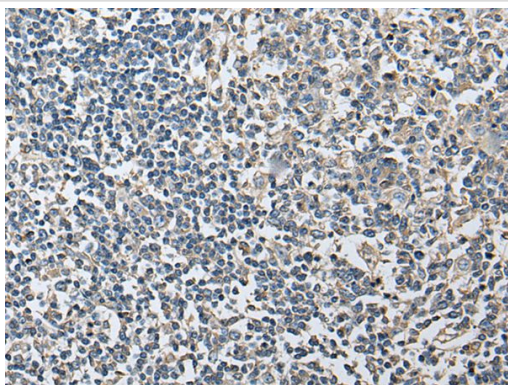
## Application Details

Immunohistochemistry: 1: 30-150

## Images



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using PLA2G16 Antibody at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: x200)



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using PLA2G16 Antibody at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: x200)

## 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  $\text{Ca}^{2+}$  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.

Note: This product is for in vitro research use only