

Datasheet for ABIN7254529

anti-PLA2G16 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	200 µL
Target:	PLA2G16
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLA2G16 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide of human PLA2G16
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Antigen affinity purification

Target Details

Target:	PLA2G16
Alternative Name:	PLA2G16 (PLA2G16 Products)
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 ²⁺ for catalysis. They play a crucial role in the generation of arachidonates and eicosanoids, and have a number of biological actions

Target Details

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.

UniProt: [P53816](#)

Pathways: [Inositol Metabolic Process](#)

Application Details

Application Notes: IHC 1:30-1:150, ELISA 1:5000-1:10000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.1 mg/mL

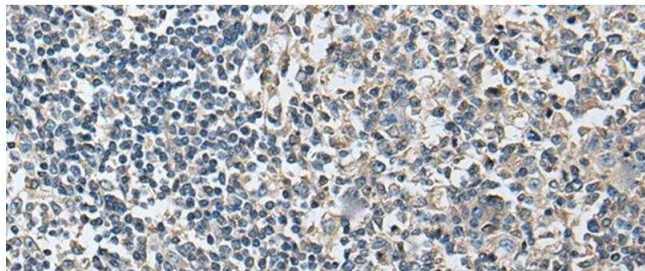
Buffer: PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

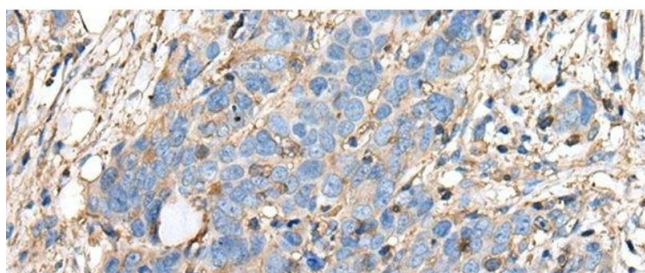
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human tonsil tissue using PLA2G16 Polyclonal Antibody at dilution of 1:40(x200)



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using PLA2G16 Polyclonal Antibody at dilution of 1:40(x200)