

For Research Use Only

# PLA2G4D Polyclonal antibody

Catalog Number: 13345-1-AP



## Basic Information

<b>Catalog Number:</b> 13345-1-AP	<b>GenBank Accession Number:</b> BC034571	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 283748	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:100-1:400
<b>Source:</b> Rabbit	<b>Full Name:</b> phospholipase A2, group IVD (cytosolic)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 818 aa, 92 kDa	
<b>Immunogen Catalog Number:</b> AG4178	<b>Observed MW:</b> 92 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : mouse brain tissue, Transfected HEK-293 cells

IHC : human skin cancer tissue,

## Background Information

PLA2G4D (Cytosolic phospholipase A2 delta) belongs to the phospholipase A2 enzyme family, catalyzes the hydrolysis of glycerophospholipids at the sn-2 position and then liberates free fatty acids and lysophospholipids. PLA2G4D expression is specifically upregulated in the upper epidermis of patients with inflammatory skin diseases (PMID:14709560).

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

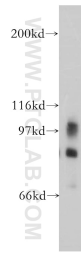
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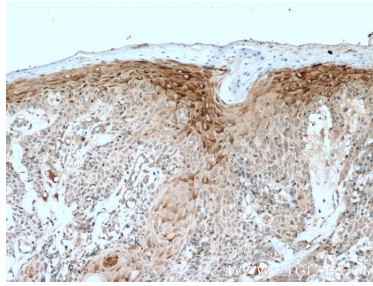
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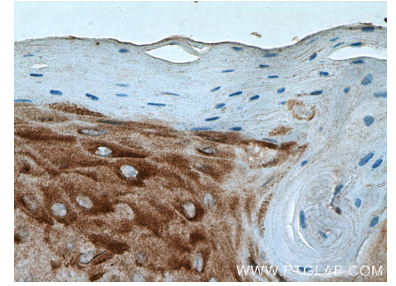
## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 13345-1-AP (PLA2G4D antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 13345-1-AP (PLA2G4D Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 13345-1-AP (PLA2G4D Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).