

PLA2G4D Polyclonal antibody

Catalog Number: 13345-1-AP

Basic Information

Catalog Number:

13345-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4178

GenBank Accession Number:

BC034571

GeneID (NCBI):

283748

UNIPROT ID:

Q86XP0

Full Name:

phospholipase A2, group IVD
(cytosolic)

Calculated MW:

818 aa, 92 kDa

Observed MW:

92 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:100-1:400

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 liberate free fatty acids and lysophospholipids. PLA2G4D expression is specifically upregulated in the upper epidermis of patients with inflammatory skin diseases (PMID:14709560).

Storage

Storage:

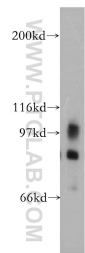
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

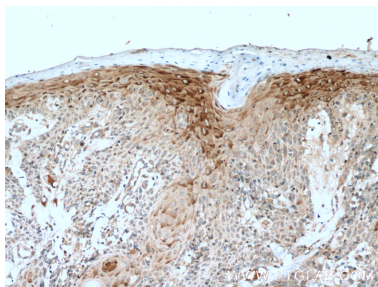
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

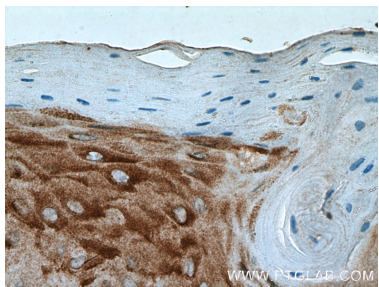
Selected Validation Data



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).