

For Research Use Only

# PDGFA Polyclonal antibody

Catalog Number: 26940-1-AP



## Basic Information

**Catalog Number:**

26940-1-AP

**Size:**

150ul , Concentration: 800 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG25643

**GenBank Accession Number:**

BC146594

**GeneID (NCBI):**

5154

**UNIPROT ID:**

P04085

**Full Name:**

platelet-derived growth factor alpha polypeptide

**Calculated MW:**

196 aa, 22 kDa

**Observed MW:**

13-16 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB: 1:1000-1:6000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : mouse brain tissue, rat kidney tissue, mouse kidney tissue, rat brain tissue

## Background Information

PDGFA is a member of the platelet-derived growth factor family. Four members of this family are mitogenic factors for cells of mesenchymal origin, and they are characterized by a motif of eight cysteines. PDGFA plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, and chemotaxis. It is also required for normal lung alveolar septum formation during embryogenesis, development of the gastrointestinal tract, and spermatogenesis. PDGFA is also involved in oligodendrocyte development and the myelination process in the spinal cord and cerebellum. PDGF-A protein monomer is about 13-16 kDa, and PDGF-AA is a 28.5 kDa A chain homodimer.

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

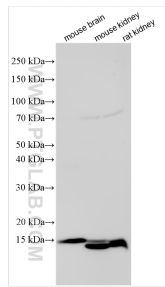
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26940-1-AP (PDGFA antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.