

## Anti-PDGF-AA Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Rabbit)
Molecular Weight:	Theoretical: 24 kDa. Actual: 17-19 kDa.
Purification:	Protein A purified

### Applications

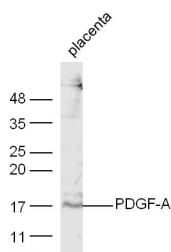
1. Sample:  
 placenta (Mouse) Lysate at 40 µg  
 Primary: Anti-PDGF-A (TMAB-01351) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 14 kDa  
 Observed band size: 17 kDa

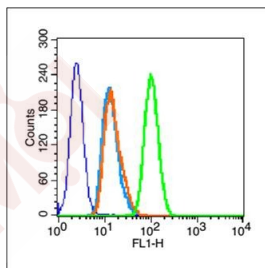
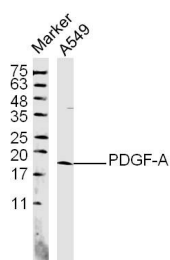
2. Sample: A549 (human) cell Lysate at 40 µg  
 Primary: Anti-PDGF-A (TMAB-01351) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 14 kDa  
 Observed band size: 18 kDa

Verified Activity: 3. Blank control (blue line): A431 cells (blue).  
 Primary Antibody (green line): Rabbit Anti-PDGF-A antibody (TMAB-01351)  
 Dilution: 1 µg/10<sup>6</sup> cells;  
 Isotype Control Antibody (orange line): Rabbit IgG.  
 Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC  
 Dilution: 1 µg/test.

#### Protocol

The cells were fixed with 70% methanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2% BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature.





Application: FCM,IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 0.2µg/Test

## Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

## Antigen Details

Immunogen: KLH conjugated synthetic peptide: the missle of human PDGF-A

Antigen Species: Human

Gene ID: 5154

Uniprot ID: P04085

Synonyms: PDGF-AA;PDGF-AA

## Research Background

This gene encodes a member of the protein family comprised of both platelet-derived growth factors (PDGF) and vascular endothelial growth factors (VEGF). The encoded preproprotein is proteolytically processed to generate platelet-derived growth factor subunit A, which can homodimerize, or alternatively, heterodimerize with the related platelet-derived growth factor subunit B. These proteins bind and activate PDGF receptor tyrosine kinases, which play a role in a wide range of developmental processes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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