

# PDGFRa Rabbit mAb

**Catalog No.: A26747** Recombinant

## Basic Information

**Observed MW**

180 kDa

**Calculated MW**

123 kDa

**Category**

Primary antibody

**Applications**

WB,IP,IF/ICC,IHC-P,mIHC,ELISA

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC3294

## Background

This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. Studies suggest that this gene plays a role in organ development, wound healing, and tumor progression. Mutations in this gene have been associated with idiopathic hypereosinophilic syndrome, somatic and familial gastrointestinal stromal tumors, and a variety of other cancers.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IP</b>	0.5 µg - 4 µg antibody for 200 µg - 400 µg extracts of whole cells
<b>IF/ICC</b>	1:200 - 1:1000
<b>IHC-P</b>	1:100 - 1:400
<b>mIHC</b>	1:500 - 1:2000
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

5156

**Swiss Prot**

P16234

**Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

**Synonyms**

CD140A; PDGFR2; PDGFR-2

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

**Storage**

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Contact

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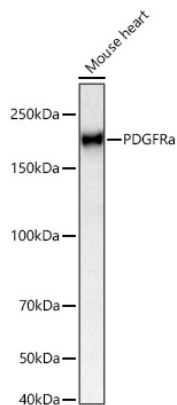
 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

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## Validation Data



Western blot analysis of lysates from Mouse heart using PDGFRα Rabbit mAb (A26747) at 1:1000 dilution incubated overnight at 4°C.

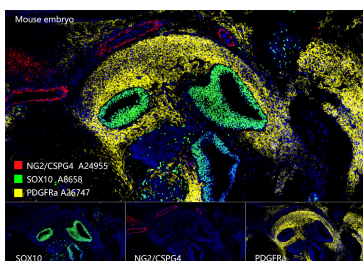
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

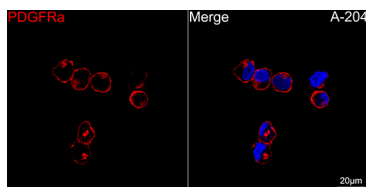
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

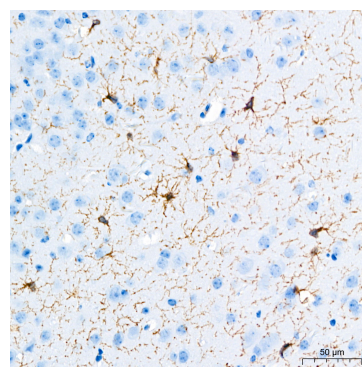
Exposure time: 90s.



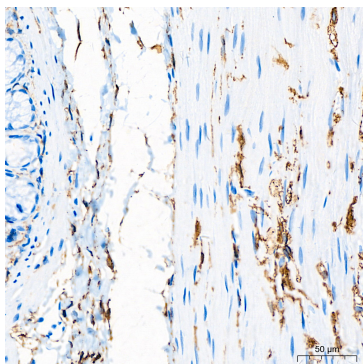
The multiplex IHC analysis on paraffin-embedded Mouse embryo tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : SOX10 Rabbit mAb (A8658, 1:400) with TSA-TYR-520 (Green), and NG2/CSPG4 Rabbit mAb (A24955, 1:1000) with TSA-TYR-570 (Red), and PDGFRα Rabbit mAb (A26747, 1:1000) with TSA-TYR-690 (Yellow). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 30x objective lens.



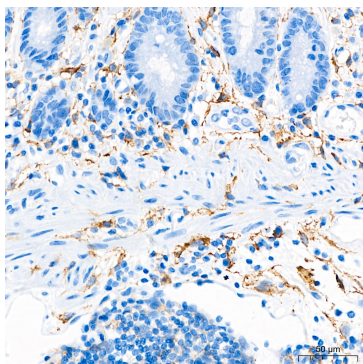
Confocal imaging of A-204 cells using PDGFRα Rabbit mAb (A26747, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



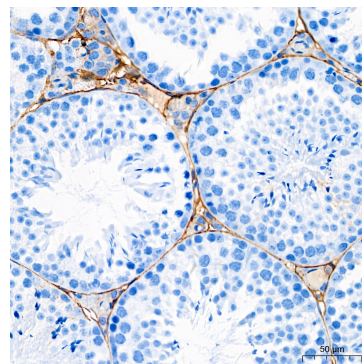
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using PDGFRα Rabbit mAb (A26747) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using PDGFRα Rabbit mAb (A26747) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0)



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using PDGFRα Rabbit mAb (A26747) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate

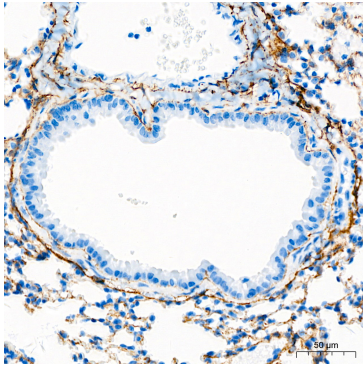


Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using PDGFRα Rabbit mAb (A26747) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0)

## Validation Data

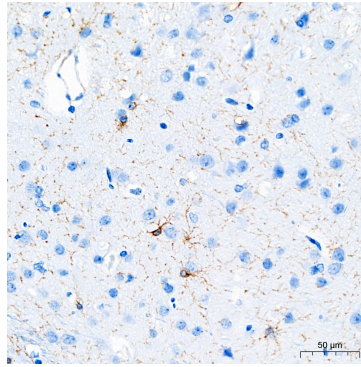
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prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using PDGFRA Rabbit mAb (A26747) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using PDGFRA Rabbit mAb (A26747) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

prior to IHC staining.