

PDGF-B (PT1252R) PT™ Rabbit mAb

CatalogNo: YM9094 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 27kD (Calculated)
- 27kD (Observed)

Isotype

- IgG, Kappa

Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Basic Information

Clonality Monoclonal

Clone Number PT1252R

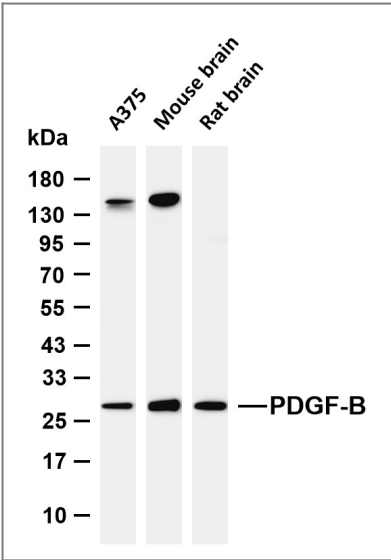
Immunogen Information

Specificity Endogenous

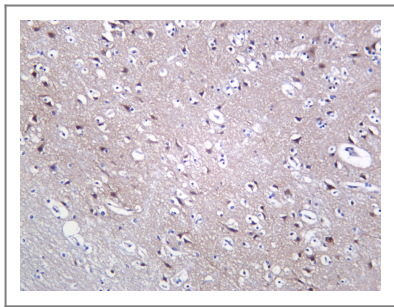
Target Information

Gene name	PDGFB												
Protein Name	Platelet-derived growth factor subunit B												
	<table><tr><th>Organism</th><th>Gene ID</th><th>UniProt ID</th></tr><tr><td>Human</td><td>5155;</td><td>P01127;</td></tr><tr><td>Mouse</td><td>18591;</td><td>P31240;</td></tr><tr><td>Rat</td><td>24628;</td><td>Q05028;</td></tr></table>	Organism	Gene ID	UniProt ID	Human	5155 ;	P01127 ;	Mouse	18591 ;	P31240 ;	Rat	24628 ;	Q05028 ;
Organism	Gene ID	UniProt ID											
Human	5155 ;	P01127 ;											
Mouse	18591 ;	P31240 ;											
Rat	24628 ;	Q05028 ;											
Cellular Localization	Secreted. Released by platelets upon wounding.												
Tissue specificity	Expressed at high levels in the heart, brain (sustantia nigra), placenta and fetal kidney. Expressed at moderate levels in the brain (hippocampus), skeletal muscle, kidney and lung.												
Function	Disease:A chromosomal aberration involving PDGFB is a cause of dermatofibrosarcoma protuberans (DFSP) [MIM:607907]. Translocation t(17;22)(q22;q13) with COLA1. DFSP is an uncommon, locally aggressive, but rarely metastasizing tumor of the deep dermis and subcutaneous tissue. It typically occurs during early or middle adult life and is most frequently located on the trunk and proximal extremities.,Function:Platelet-derived growth factor is a potent mitogen for cells of mesenchymal origin. Binding of this growth factor to its affinity receptor elicits a variety of cellular responses. It is released by platelets upon wounding and plays an important role in stimulating adjacent cells to grow and thereby heals the wound.,miscellaneous:A-A and B-B, as well as A-B, dimers can bind to the PDGF receptor.,online information:Clinical information on Regranex,pharmaceutical:Available under the name Regranex (Ortho-McNeil). Used to promote healing in diabetic neuropathic foot ulcers.,similarity:Belongs to the PDGF/VEGF growth factor family.,subunit:Antiparallel disulfide-linked dimer of non-identical (A and B) chains. Homodimers of A and B chains are implicated in transformation processes. Interacts with XLKD1.,tissue specificity:Expressed at high levels in the heart, brain (sustantia nigra), placenta and fetal kidney. Expressed at moderate levels in the brain (hippocampus), skeletal muscle, kidney and lung.,												

| Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-PDGF-B (PT1252R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: A375 Lane 2: Mouse brain Lane 3: Rat brain Predicted band size: 27kDa Observed band size: 27kDa



Human brain was stained with anti-PDGF-B (PT1252R) Rabbit antibody

| Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code
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product information:
PDGF-B (PT1252R)
PT™ Rabbit mAb

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