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Datasheet for ABIN726155

anti-PDGFA antibody (AA 125-170)

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Overview

Quantity:	100 µL
Target:	PDGFA
Binding Specificity:	AA 125-170
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDGFA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PDGF-A
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PDGFA
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Target Details

Alternative Name: PDGF A ([PDGFA Products](#))

Background: Synonyms: PDGF1, PDGF-A, Platelet-derived growth factor subunit A, PDGF subunit A, PDGF-1, Platelet-derived growth factor A chain, Platelet-derived growth factor alpha polypeptide, PDGFA
Background: Growth factor that plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. Potent mitogen for cells of mesenchymal origin. Required for normal lung alveolar septum formation during embryogenesis, normal development of the gastrointestinal tract, normal development of Leydig cells and spermatogenesis. Required for normal oligodendrocyte development and normal myelination in the spinal cord and cerebellum. Plays an important role in wound healing. Signaling is modulated by the formation of heterodimers with PDGFB (By similarity).

Gene ID: 5154

UniProt: [P04085](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Smooth Muscle Cell Migration](#), [Platelet-derived growth Factor Receptor Signaling](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
FCM 1:20-100
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

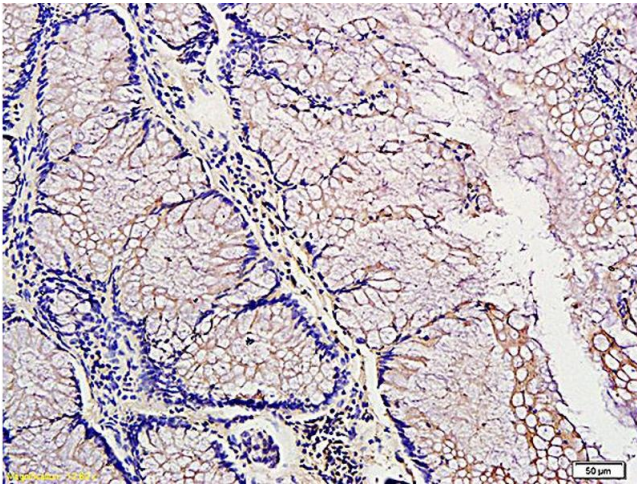
Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

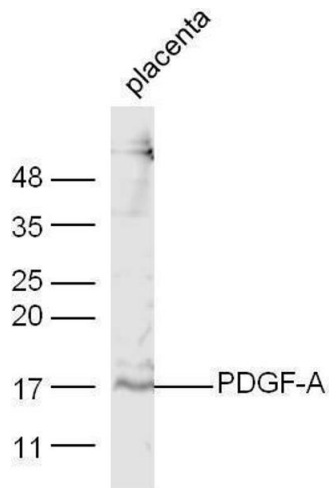
Product cited in:	<p>Eren, Turgut, Akin, Demir: "The Suppression of Wound Healing Response with Sirolimus and Sunitinib Following Experimental Trabeculectomy in a Rabbit Model." in: Current eye research, Vol. 41, Issue 3, pp. 367-76, (2016) (PubMed).</p> <p>Lee, Zheng, Kang, Kim, Oh, Cho: "Therapeutic efficacy of autologous platelet-rich plasma and polydeoxyribonucleotide on female pattern hair loss." in: Wound repair and regeneration : official publication of the Wound Healing Society [and] the European Tissue Repair Society, (2015) (PubMed).</p>
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Images



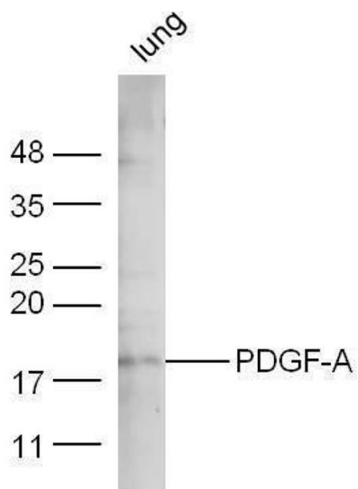
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded: human colon tubular adenocarcinoma labeled with Anti-PDGF-A Polyclonal Antibody (ABIN726155), Unconjugated at 1:300, followed by conjugation to the secondary antibody and DAB staining



Western Blotting

Image 2. Mouse placenta lysate probed with Anti-PDGF-A Polyclonal Antibody at 1:5000 90min in 37°C.



Western Blotting

Image 3. Mouse lung lysate probed with Anti-PDGF-A Polyclonal Antibody at 1:5000 90min in 37°C.