

Datasheet for ABIN5611263
anti-PDGFR α antibody (AA 179-361)

6 Images

2 Publications

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Overview

| | |
|----------------------|---|
| Quantity: | 0.1 mg |
| Target: | PDGFR α |
| Binding Specificity: | AA 179-361 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This PDGFR α antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC), Neutralization (Neut) |

Product Details

| | |
|---------------|---|
| Immunogen: | Purified recombinant fragment of human CD140 α (AA: extra 179-361) expressed in E. coli. |
| Clone: | 5B11G5 |
| Isotype: | IgG2a |
| Purification: | purified |

Target Details

| | |
|-------------------|---|
| Target: | PDGFR α |
| Alternative Name: | CD140 α (PDGFRα Products) |
| Background: | Description: This gene encodes a cell surface tyrosine kinase receptor for members of the |

Target Details

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.

Aliases: PDGFRA, PDGFR2, PDGFR-2

Molecular Weight: 122.6 kDa

Gene ID: 5156

HGNC: 5156

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

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

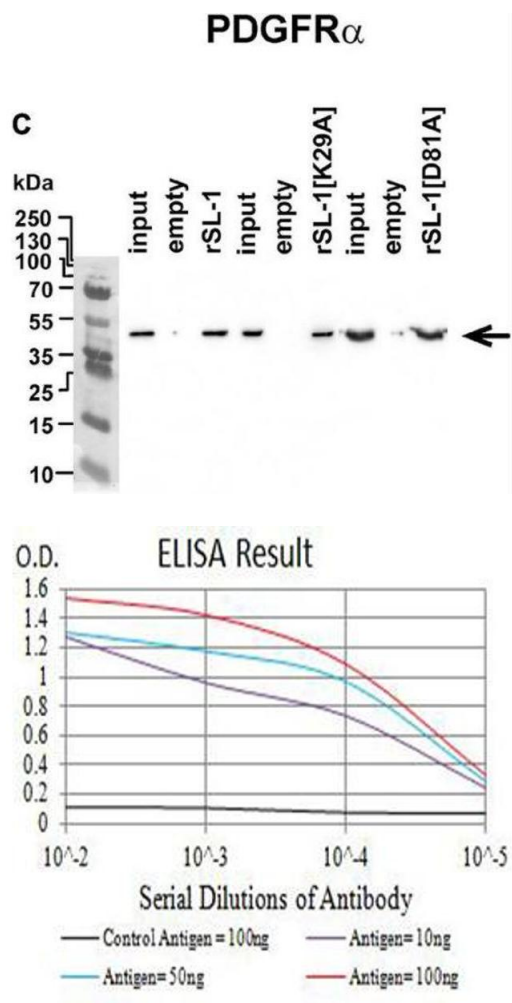
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Bychkov, Kirichenko, Mikhaylova, Paramonov, Yastremsky, Kirpichnikov, Shulepko, Lyukmanova : "Extracellular Vesicles Derived from Acidified Metastatic Melanoma Cells Stimulate Growth, Migration, and Stemness of Normal Keratinocytes." in: , Vol. 10, Issue 3, (2022) ([PubMed](#)).

Bychkov, Shulepko, Shlepova, Kulbatskii, Chulina, Paramonov, Baidakova, Azev, Koshelev, Kirpichnikov, Shenkarev, Lyukmanova: "SLURP-1 Controls Growth and Migration of Lung Adenocarcinoma Cells, Forming a Complex With $\alpha 7$ -nAChR and PDGFR/EGFR Heterodimer." in: **Frontiers in cell and developmental biology**, Vol. 9, pp. 739391, (2021) ([PubMed](#)).

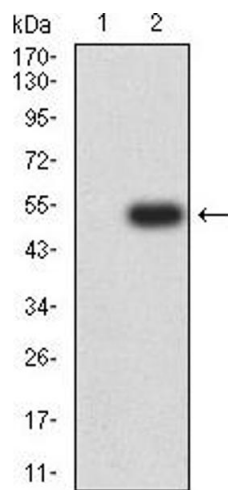


Western Blotting

Image 1. Analysis of rSLURP-1 targets in A549 cells. NHS-Sepharose coupled with rSLURP-1 or rSLURP-1[K29A] and rSLURP-1[D81A] mutants was incubated with a membrane fraction of A549 cells and extracted proteins were analyzed by Western blotting using antibodies against PDGFRalpha (ABIN5611263) Source: PMID34595181

ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



Western Blotting

Image 3. Western blot analysis using CD140a mAb against HEK293 (1) and CD140a (AA: extra 179-361)-hlgGFc transfected HEK293 (2) cell lysate.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN5611263.