Product datasheet Anti-PDGFR alpha/PDGFRA Antibody Catalog Number: A00366

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BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

Web: www.boster.com Phone: 027-67845390/1/2 Email: boster@boster.com

Product Name Anti-PDGFR alpha/PDGFRA Antibody Core Name PDGFRA	
Come Name PDCFDA	
Gene Name PDGFRA	
Source Rabbit	
Clonality Polyclonal	
Isotype IgG	
Species Reactivity human, mouse, rat	
Tested Application WB, ICC/IF, ELISA	
Contents 500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glyce	rol.
Immunogen E.coli-derived human PDGFRA recombinant protein (Position: Q24-E906)	
Concentration 500 ug/ml	
Purification Immunogen affinity purified.	
Observed MW 180 kDa	
Dilution Ratios Western blot (WB): 1:500-2000 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-400 Enzyme linked immunosorbent assay (ELISA): 1:100-1000	

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

PDGFRA(Platelet-derived growth factor receptor, alpha), also called PDGFR2, encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. The PDGFA gene is mapped on 4q12. The PDGFRA-FIP1L1 gene is a constitutively activated tyrosine kinase that transforms hematopoietic cells and is a therapeutic target of imatinib. The PDGFRA gene contains 23 exons spanning about 65 kb. Using the human PDGFRA promoter linked to a luciferase reporter, Joosten et al. showed that PAX1 acts as a transcriptional activator of the PDGFRA gene in differentiated human embryonal carcinoma cells. PDGFRA is responsible for mediating cellular contraction of multiple growth factors: TGFB1 and members of the PDGF family. Lei et al. noted that in the rabbit model of the disease, PDGFRA is dramatically more capable of promoting PVR than is the closely related PDGFRB. PDGFRA is a critical receptor required for human CMV infection, and thus a target for novel antiviral therapies.

Anti-PDGFR alpha/PDGFRA Antibody

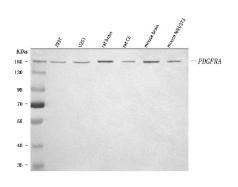
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Selected Validation Data



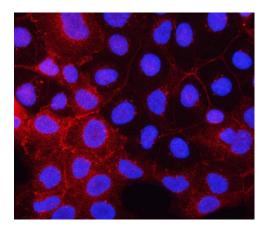
Western blot analysis of anti-PDGFRA antibody (A00366). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human 293T whole cell lysates, Lane 2: human U251 whole cell lysates,

Lane 3: rat brain tissue lysates, Lane 4: rat C6 whole cell lysates, Lane 5: mouse brain tissue lysates,

Lane 6: mouse NIH/3T3 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-PDGFRA antigen affinity purified polyclonal antibody (A00366) and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for PDGFRA at approximately 180 kDa. The expected band size for PDGFRA is at 123,180 kDa.



ICC/IF analysis of PDGFRA using anti-PDGFRA antibody (A00366). PDGFRA was detected in an immunocytochemical section of CACO-2 cells. Cy3-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog#BA1032) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).