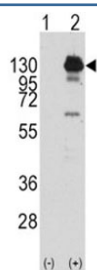


## PDGFR alpha Antibody (F50656)

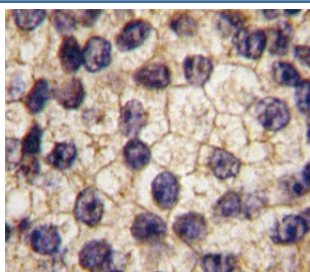
| Catalog No.   | Formulation                                | Size    |
|---------------|--------------------------------------------|---------|
| F50656-0.4ML  | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml  |
| F50656-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

[Bulk quote request](#)

|                             |                                                               |
|-----------------------------|---------------------------------------------------------------|
| <b>Availability</b>         | 1-3 business days                                             |
| <b>Species Reactivity</b>   | Human                                                         |
| <b>Predicted Reactivity</b> | Mouse, Rat, Xenopus                                           |
| <b>Format</b>               | Antigen affinity purified                                     |
| <b>Clonality</b>            | Polyclonal (rabbit origin)                                    |
| <b>Isotype</b>              | Rabbit Ig                                                     |
| <b>Purity</b>               | Antigen affinity                                              |
| <b>UniProt</b>              | P16234                                                        |
| <b>Localization</b>         | Cytoplasmic, membrane                                         |
| <b>Applications</b>         | Western Blot : 1:1000<br>IHC (Paraffin) : 1:10-1:50           |
| <b>Limitations</b>          | This PDGFR alpha antibody is available for research use only. |



Western blot analysis of PDGFR alpha antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the human gene (2). Predicted molecular weight: 120-195 kDa.



IHC analysis of FFPE human prostate carcinoma tissue stained with PDGFR alpha antibody

## Description

PDGFRA is 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 in knockout mice, where homozygosity is lethal, indicate that the alpha form of the platelet-derived growth factor receptor is particularly important for kidney development since mice heterozygous for the receptor exhibit defective kidney phenotypes.

## Application Notes

Titration of the PDGFR alpha antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 740-769 from the human protein was used as the immunogen for this PDGFR alpha antibody.

## Storage

Aliquot the PDGFR alpha antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.