DATA SHEET

PDGFR, alpha Ab-1

Rabbit Polyclonal Antibody

Cat. #DLN-13572, 13573, or 13574 (0.1ml, 0.5ml, or 1.0ml at 1.0mg/ml) (Purified Ab with BSA and Azide)
Cat. #DLN-13575 or 13576 (0.5ml or 1.0ml at 1.0mg/ml) (Purified Ab without BSA and Azide)
Cat. #DLN-13577 (7.0ml) (Ready-to-Use for Immunohistochemical Staining)

Description: PDGFR (Platelet Derived Growth Factor Receptor) exhibits two different isoforms, alpha and beta coded by two different genes. They possess five immunoglobulin like domains that are involved in ligand binding. Two tyrosine kinase domains are separated by a kinase insert to which PI-3 kinase can bind. PDGF AA can bind autophosphorylate and activate only PDGFR, alpha while PDGF BB can bind and activate to both PDGFR, alpha and beta.

Comments: Specific for PDGFR, alpha and does not react with PDGFR, beta.

Mol. Wt. of Antigen: ~190kDa

Epitope: C-terminal

Species Reactivity: Human, Mouse, and Rat. Others not known.

Immunogen: A synthetic peptide derived from the C-terminus of the precursor form of human PDGFR, alpha.

Applications and Suggested Dilutions:

- Immunohistology

The optimal dilution for a specific application should be determined by the investigator.

Cellular Localization: Cell membrane

Supplied As:

Total IgG purified from rabbit anti-serum by Protein A chromatography. Prepared at 1mg/ml in 10mM PBS, pH 7.4, with 0.2% BSA & 0.09% sodium azide.
Also available without BSA and azide at 1mg/ml;

Or

Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

Storage and Stability: Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

Suggested References:

1. Matsui T, et al. (1989) Science, 243:800-804.
2. Claesson-Welsh L, et al. (1989) Proc Natl Acad Sci, 86:4917-4921.

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Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. Dianova is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

For Research Use Only

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