

## PDGF Receptor alpha Ab

[Images\(1\)](#)

Cat.#: DF6827	Concn.: ~1mg/ml	Mol.Wt.: 123kDa
Size:	Source: Rabbit	Clonality: Polyclonal

**Application:** WB 1:500-1:2000, IHC 1:50-1:200  
\*The optimal dilutions should be determined by the end user.

**Reactivity:** Human, Mouse, Rat

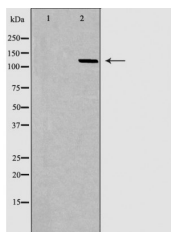
**Storage:** Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

**Purification:** The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

**Immunogen:** A synthesized peptide derived from human PDGF Receptor alpha, corresponding to a region within the internal amino acids.

**Uniprot:** P16234

**Description:** Platelet derived growth factor (PDGF) family proteins exist as several disulphide-bonded, dimeric isoforms (PDGF AA, PDGF AB, PDGF BB, PDGF CC, and PDGF DD) that bind in a specific pattern to two closely related receptor tyrosine kinases, PDGF receptor ? (PDGFR?) and PDGF receptor ? (PDGFR?). PDGFR? and PDGFR? share 75% to 85% sequence homology between their two intracellular kinase domains, while the kinase insert and carboxy-terminal tail regions display a lower level (27% to 28%) of homology. PDGFR? homodimers bind all PDGF isoforms except those containing PDGF D. PDGFR? homodimers bind PDGF BB and DD isoforms, as well as the PDGF AB heterodimer. The heteromeric PDGF receptor ?/? binds PDGF B, C, and D homodimers, as well as the PDGF AB heterodimer.



Western blot analysis of extracts from HepG2, using PDGFRA Ab. The lane on the left was treated with the antigen-specific peptide.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.



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