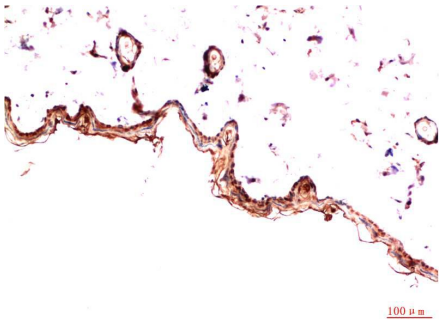
ELK Biotechnology

PDGFR α (5D1) Mouse mAb
Catalog NO.: EM1336
For research use only.

Overview

Product name	PDGFR α (5D1) Mouse Monoclonal antibody
Source	Mouse
Applications	**IHC**
Species reactivity	**Human Mouse Rat**
Recommended dilutions	**Immunohistochemistry:1/100-200** **NOTE: Optimal dilutions should be determined by the end user.**
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	**180kDa**
GeneID（Human）	5156
Human Swiss-Prot No.	P16234
Cellular localization	Membrane
Alternative Names	N/A
Background	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 α (PDGFR α) and PDGF receptor β (PDGFR β). PDGFR α and PDGFR β can each form heterodimers with EGFR which is also activated by PDGF. Various cells differ in the total number of receptors present and in the receptor subunit

composition which may account for responsive differences among cell types to PDGF binding. Ligand binding induces receptor dimerization and autophosphorylation followed by binding and activation of cytoplasmic SH2 domain-containing signal transduction molecules such as GRB2 Src GAP PI3 kinase PLC γ and NCK. A number of different signaling pathways are initiated by activated PDGF receptors and lead to control of cell growth actin reorganization migration and differentiation.



Immunohistochemical analysis of paraffin-embedded Rat Skin Tissue using PDGFR a（EM1336）Mouse mAb diluted at:200.

Immunohistochemical analysis of paraffin-embedded Human Skin Tissue using PDGFR a（EM1336）Mouse mAb diluted at:200