



PDGF-A Monoclonal Antibody

Catalog No	YP-mAb-15954
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PDGFA
Immunogen	The antiserum was produced against synthesized peptide derived from human PDGF-A. AA range:105-154
Specificity	PDGF-A Monoclonal Antibody detects endogenous levels of PDGF-A protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PDGF 1;PDGF A;PDGF AA;PDGF subunit A;PDGF1;PDGF-A;PDGFA;Platelet-derived growth factor subunit A;PDGF-1;Platelet-derived growth factor A chain; Platelet-derived growth factor alpha polypeptide
Observed Band	17kD
Calculated Molecular Weight	17kD
Cell Pathway	Secreted. Released by platelets upon wounding.
Tissue Specificity	PCR rescued clones,
Function	domain:The long form contains a basic insert which acts as a cell retention signal.,function:Platelet-derived growth factor is a potent mitogen for cells of mesenchymal origin. Binding of this growth factor to its affinity receptor elicits a variety of cellular responses. It is released by platelets upon wounding and plays an important role in stimulating adjacent cells to grow and thereby heals the wound.,miscellaneous:A-A and B-B, as well as A-B, dimers can bind to the PDGF receptor.,similarity:Belongs to the PDGF/VEGF growth factor family., subunit:Antiparallel disulfide-linked dimer of non-identical (A and B) chains. Homodimers of A and B chains are implicated in transformation processes. Interacts with CSPG4.,



Background

platelet derived growth factor subunit A(PDGFA) Homo sapiens This gene encodes a member of the protein family comprised of both platelet-derived growth factors (PDGF) and vascular endothelial growth factors (VEGF). The encoded preproprotein is proteolytically processed to generate platelet-derived growth factor subunit A, which can homodimerize, or alternatively, heterodimerize with the related platelet-derived growth factor subunit B. These proteins bind and activate PDGF receptor tyrosine kinases, which play a role in a wide range of developmental processes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015],

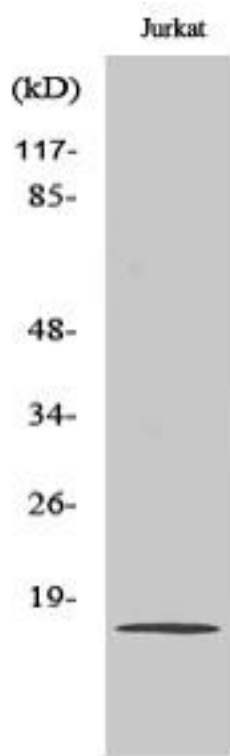
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PDGF-A Monoclonal Antibody