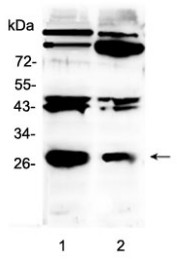
PDGF beta Antibody (R32656)

Catalog No.	Formulation	Size
R32656	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Predicted Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P01127
Applications	WB: 0.5-1ug/ml
Limitations	This PDGF beta antibody is available for research use only.



Western blot testing of 1) rat brain and 2) mouse brain with PDGF beta antibody at 0.5ug/ml. PDGF-B antibody detects a ~26-30 kDa monomer in cell lysates, with additional bands at ~45-50 kDa and ~90-100 kDa that represent disulfide-linked dimers and higher-order multimers, respectively.

Description

Platelet-derived growth factor subunit B is a protein that in humans is encoded by the PDGFB gene. The protein encoded by this gene is a member of the platelet-derived growth factor family. This gene product can exist either as a homodimer (PDGF-BB) or as a heterodimer with the platelet-derived growth factor alpha polypeptide (PDGF-AB), where the dimers are connected by disulfide bonds. This gene is mapped to 22q13.1. Growth factor plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. This gene plays an important role in

wound healing. Signaling is modulated by the formation of heterodimers with PDGFA.

Application Notes

Optimal dilution of the PDGF beta antibody should be determined by the researcher.

Immunogen

Amino acids 89-129 (AEPAMIAECKTRTEVFEISRRLIDRTNANFLVWPPCVEVQR) from the human protein were used as the immunogen for the PDGF beta antibody.

Storage

After reconstitution, the PDGF beta antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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