

AB-NK243-3

PDGFRB-4 Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-tyrosine kinase PDGFRb



KINEXUS

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Target Protein

Name Long:	Platelet-derived growth factor receptor kinase beta
Alias:	CD140b; JTK12; Kinase PDGFR-beta; PDGFR; PDGFR1; PDGFRb; PDGFR-beta; PDGF-R-beta; Platelet-derived growth factor receptor, beta polypeptide; BC032224; J03278; M21616; CCDS4303.1; ENSG00000113721
UniProt ID:	P09619
Sequence Predicted Mass (KDa):	123.968 (1106 AA; P09619); 37.412 (336 AA; P09619-2)
Observed SDS-PAGE Mass (KDa):	115-130

Immunogen

Antibody Immunogen Source:	Human PDGFRb sequence peptide Cat. No.: PE-01BBX99
Antibody Immunogen Sequence:	CSQEPPQEMAKAQDGT
Location in Target:	Corresponds to amino acid residues S66 to T80; N-terminus
Peptide Type:	For pan-specific recognition of target expression levels.
Target Phosphosite:	Not phosphorylated

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipеп peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from each animal was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	140724
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerazol
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

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Applications

Product Use:	Western blotting Antibody microarrays
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Antibody Positive Controls:	Strong immunoreactivity with recombinant human PDGFRB on protein dot blots.
Overall Antibody Specificity:	Very high selectivity
Antibody Cross Reactivities:	No immunoreactivity on protein dot blots with recombinant human PDGFRA, CSF1R, FLT3 and Kit.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)