

AB-PK831

TIE2-pY992 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-tyrosine kinase TIE2 (TEK)



KINEXUS

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Target Protein

Name Long:	Angiopoietin-1 receptor
Alias:	Angiopoietin 1 receptor; CD202b antigen; HYK; P140 TEK; TEK; VMCM; VMCM1; OTTHUMP00000021167; TIE-2; hTIE2; ENSG00000120156
UniProt ID:	Q02763
Sequence Predicted Mass (KDa):	125.830 (1124 AA; Q02763); 121.048 (1081 AA; Q02763-2); 109.141 (976 AA; Q02763-3)
Observed SDS-PAGE Mass (KDa):	135-150

Immunogen

Antibody Immunogen Source:	Human TIE2 (TEK) sequence peptide Cat. No.: PE-04AL190
Antibody Immunogen Sequence:	QEV(pY)VKK(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues Q989 to K995; In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-992

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. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	0.5 mg/ml
Lot Number:	141202
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol
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 immunogen peptide on dot blots.
Overall Antibody Specificity:	Very high selectivity
Antibody Cross Reactivities:	No significant cross-reactive proteins detected in MCF7 cells.

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)