

AB-NK241-2

KIT-2 Antibody

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



KINEXUS

Address: 8755 Ash Street, Suite 1
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Target Protein

Name Long:	Mast/stem cell growth factor receptor protein-tyrosine Kit
Alias:	CD117; C-kit; Kinase Kit; Mast/stem cell growth factor receptor precursor; PBT; SCFR; SL; V-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene; V-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homologue; ENSG00000157404
UniProt ID:	P10721
Sequence Predicted Mass (KDa):	109.865 (976 AA; P10721); 109.451 (972 AA; P10721-2); 46.658 (413 AA; P10721-3)
Observed SDS-PAGE Mass (KDa):	125-145

Immunogen

Antibody Immunogen Source:	Human Kit sequence peptide Cat. No.: PE-01AUT99
Antibody Immunogen Sequence:	CLVDRSLYGKEDNDTL
Location in Target:	Corresponds to amino acid residues L119 to L133; In the extracellular domain of the receptor.
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% 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:	1 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Antibody Positive Controls:	
Detection by Immunoblotting in Cell/Tissue Lysates:	Medium-strong immunoreactivity of a target-sized protein by Western blotting in human lung.
Overall Antibody Specificity:	High selectivity
Antibody Cross Reactivities:	Medium cross-immunoreactivity on protein dot blots with recombinant human CSF1R. Strong cross-reactivity with ~60 KDa protein in human lung.

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)