

AB-NK052-5

EGFR-1 Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-tyrosine kinase EGFR (ErbB1)



KINEXUS

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Target Protein

Name Long:	Epidermal growth factor receptor-tyrosine kinase
Alias:	EGFR; Epidermal growth factor receptor; ErbB-1; ErbB, mENA; HER1; Receptor tyrosine-protein kinase ErbB-1; V-erb-b oncogene homologue; PIG61; CCDS5514.1; ENSG00000146648
UniProt ID:	P00533
Sequence Predicted Mass (KDa):	134.277 (1210 AA; P00533); 77.312 (705 AA; P00533-3); 69.228 (628 AA; P00533-4); 44.664 (405 AA; P00533-2)
Observed SDS-PAGE Mass (KDa):	160-180

Immunogen

Antibody Immunogen Source:	Human EGFR (ErbB1) sequence peptide Cat. No.: PE-01ATS99
Antibody Immunogen Sequence:	SNMSMDFQNHGSC
Location in Target:	Corresponds to amino acid residues S174 to C187; In the extracellular domain of the EGF 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 multipепptide 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
Overall Antibody Specificity:	Medium selectivity
Antibody Cross Reactivities:	No immunoreactivity on protein dot blots with recombinant human ErbB2 and ErbB4.

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)