

AB-NK231-2

ErbB3-1 Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-tyrosine kinase ErbB3 (HER3)



KINEXUS

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Target Protein

Name Long:	ErbB3 (HER3) receptor-tyrosine kinase
Alias:	C-erbB3; ERB3; HER3; Kinase ErbB3; LCCS2; Receptor protein-tyrosine kinase erbB-3 precursor; Tyrosine kinase-type cell surface receptor HER3; V-erb-b2 erythroblastic leukemia viral oncogene 3; ErbB-3; c-erbB3; erbB3-S; MDA-BF-1; MGC88033; c-erbB-3; p180-ErbB3; p45-sErbB3; p85-sErbB3; O75810; O75811; O75812; O75813; Q9BUD7; Q9NNX2; Q9NNX3
UniProt ID:	P21860
Sequence Predicted Mass (KDa):	148.098 (1342 AA; P21860); 141.752 (1283 AA; P21860-4); 77.426 (699 AA; P21860-5); 36.490 (331 AA; P21860-3); 20.136 (183 AA; P21860-2)
Observed SDS-PAGE Mass (KDa):	160-200

Immunogen

Antibody Immunogen Source:	Human ErbB3 (HER3) sequence peptide Cat. No.: PE-01ARS99
Antibody Immunogen Sequence:	DRDAEIVVKDNGRSC
Location in Target:	Corresponds to amino acid residues D169 to C183; In the extracellular domain of the ErbB3 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 multipепeptide 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:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Antibody Positive Controls:	Very strong immunoreactivity with recombinant human ErbB3 on protein dot blots.
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)