

AB-NK054-5

ErbB2-2 Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-tyrosine kinase ErbB2 (HER2, Neu)



KINEXUS

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Target Protein

Name Long:	ErbB2 (Neu) receptor-tyrosine kinase
Alias:	CD340; C-erbB-2; Epidermal growth factor receptor-related protein; ErbB2; HER2; HER-2; Kinase ErbB2; MLN 19; V-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian); TKR1; hCG_28177; ENSG00000141736; Q9NP09; Q9UK79
UniProt ID:	P04626
Sequence Predicted Mass (kDa):	137.910 (1255 AA; P04626); 136.501 (1240 AA; P04626-4); 134.856 (1225 AA; P04626-5); 97.382 (888 AA; P04626-6); 70.917 (645 AA; P04626-2); 62.568 (569 AA; P04626-3)
Observed SDS-PAGE Mass (kDa):	138, 175-200

Immunogen

Antibody Immunogen Source:	Human ErbB2 (HER2, Neu) sequence peptide Cat. No.: PE-01ATW85
Antibody Immunogen Sequence:	QLALTLIDNRSRAC
Location in Target:	Corresponds to amino acid residues Q178 to C192; 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 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:	0.33 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:	Medium immunoreactivity with recombinant human ErbB2 on protein dot blots.
Overall Antibody Specificity:	High selectivity
Antibody Cross Reactivities:	Medium immunoreactivity on protein dot blots with recombinant human EGFR, and no immunoreactivity with 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)