

AB-NK267-1

EphB2-BKCD Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-tyrosine kinase EphB2



KINEXUS

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Target Protein

Name Long:	Ephrin type-B receptor 2 protein-tyrosine kinase
Alias:	CEK5; DRT; EPH receptor B2; EPH3; EPH-3; EPHB2; Ephrin type-B receptor 2; EPHT3; Hek5; Tyro5; MGC87492; ENSG00000133216
UniProt ID:	P29323
Sequence Predicted Mass (KDa):	117.493 (1055 AA; P29323); 110.030 (987 AA; P29323-3); 109.874 (986 AA; P29323-2)
Observed SDS-PAGE Mass (KDa):	100-115

Immunogen

Antibody Immunogen Source:	Human EphB2 sequence peptide Cat. No.: PE-01BCU95
Antibody Immunogen Sequence:	PNEAVREFAKEIDISC
Location in Target:	Corresponds to amino acid residues P605 to C620; Just before catalytic domain; Note the sequence is identical in EPHB1, EPHB2, EPHB3 and EPHB4
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 multipep 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:	160804
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

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)