

AB-NK248-2

p38b-2 Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase p38b MAPK (MAPK11)



KINEXUS

Address: 8755 Ash Street, Suite 1
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Target Protein

Name Long:	Mitogen-activated protein-serine kinase p38 beta; Mitogen-activated protein kinase 11
Alias:	MAPK11; MK11; P38 MAPK-beta; P38-2; P38b; PRKM11; SAPK2; Stress-activated protein kinase-2; p28b MARPK; p38Beta; CCDS14090.1; Q15759; ENSG00000185386
UniProt ID:	Q15759
Sequence Predicted Mass (KDa):	41.357 (364 AA; Q15759); 23.603 (213 AA; Q15759-3)
Observed SDS-PAGE Mass (KDa):	40-48

Immunogen

Antibody Immunogen Source:	Human p38b MAPK (MAPK11) sequence peptide Cat. No.: PE-01AYE85
Antibody Immunogen Sequence:	CAEPYDESVEAKERTL
Location in Target:	Corresponds to amino acid residues A320 to L334; Post-kinase last alpha-chain
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:	0.75 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:	Strong immunoreactivity with recombinant human p38b on protein dot blots.
Overall Antibody Specificity:	High selectivity
Antibody Cross Reactivities:	Strong immunoreactivity on protein dot blots with recombinant human p38a, very weak immunoreactivity with p38g, and no immunoreactivity with p38d.

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)