

# AB-NK121-2

## p38d-1 Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase p38d MAPK (MAPK13)



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	Mitogen-activated protein-serine kinase p38 delta; Mitogen-activated protein kinase 13
<b>Alias:</b>	MAP kinase p38 delta; MAPK13; Mitogen-activated protein kinase p38 delta; MK13; P38 MAPK-delta;p38delta; PRKM13; Stress-activated protein kinase-4; SAPK4; p38d MAPK; ENSG00000156711
<b>UniProt ID:</b>	O15264
<b>Sequence Predicted Mass (KDa):</b>	42.090 (365 AA; O15264); 28.779 (257 AA; O15264-2)
<b>Observed SDS-PAGE Mass (KDa):</b>	37-45

### Immunogen

<b>Antibody Immunogen Source:</b>	Human p38d MAPK (MAPK13) sequence peptide Cat. No.: PE-01AYG90
<b>Antibody Immunogen Sequence:</b>	MSLIRKKGFKYKQDVNC
<b>Location in Target:</b>	Corresponds to amino acid residues M1 to N15; N-terminus
<b>Peptide Type:</b>	For pan-specific recognition of target expression levels.
<b>Target Phosphosite:</b>	Not phosphorylated

### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Ig Isotype Clone Lot:</b>	Immunoglobulin G
<b>Production Method:</b>	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.
<b>Antibody Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	140724
<b>Storage Buffer:</b>	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol
<b>Storage Conditions and Stability:</b>	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

<b>Product Use:</b>	Western blotting   Antibody microarrays
<b>Antibody Dilution Recommended:</b>	1 µg/ml for immunoblotting
<b>Antibody Species Reactivity:</b>	Human, mouse, rat and many other mammals
<b>Detection by Immunoblotting in Cell/Tissue Lysates:</b>	Very strong immunoreactivity of a target-sized protein by Western blotting in human lung.
<b>Overall Antibody Specificity:</b>	High selectivity
<b>Antibody Cross Reactivities:</b>	Strong immunoreactivity on protein dot blots with recombinant human p38b, weak immunoreactivity on protein dot blots with recombinant human p38g, and no immunoreactivity with recombinant human p38a. Strong cross-reactivity with a 23 KDa protein in human lung.

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](http://www.kinexusproducts.ca) or contact us at 1-866-KINEXUS(546-3987)