AB-NK120-8

p38a-2 Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase p38a MAPK (MAPK14)

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Mitogen-activated protein-serine kinase p38 alpha; Mitogen-activated protein kinase 14
Alias:	CRK1; CSAID binding protein; CSBP; CSBP1; CSBP2; CSPB1; Cytokine suppressive anti-inflammatory drug binding protein; Kinase p38-alpha; MAPK14; PRKM15; p38a MAPK; SAPK2A; Mxi2; CCDS4815.1; ENSG00000112062
UniProt ID:	Q16539
Sequence Predicted Mass (KDa):	41.493 (360 AA; Q16539-2); 41.293 (360 AA; Q16539); 35.453 (307 AA; Q16539-4); 34.092 (297 AA; Q16539-3); 29.388 (256 AA; Q16539-5)
Observed SDS-PAGE Mass (KDa):	38-43

Immunogen

Antibody Immunogen Source:	Human p38a MAPK (MAPK14) sequence peptide Cat. No.: PE-01AYB90
Antibody Immunogen Sequence:	CDQSFESRDLLIDEWK
Location in Target:	Corresponds to amino acid residues D324 to K338; 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 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:	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
Overall Antibody Specificity:	Very high selectivity
Antibody Cross Reactivities:	Very weak immunoreactivity on protein dot blots with p38b, and no immunoreactivity with recombinant human p38d and p38g.