

AB-NK217-2

JNK1-1 Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase JNK1 (MAPK8)



KINEXUS

Address: 8755 Ash Street, Suite 1
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Target Protein

Name Long:	Jun N-terminus protein-serine kinase (stress-activated protein kinase (SAPK)) 1
Alias:	c-Jun N-terminal kinase 1; JNK; JNK1A2; JNK1-alpha-2; JNK-46;JNK21B1/2; JUN N-terminal kinase; Kinase JNK1; MAPK8; MK08; PRKM8; SAPK1; SAPK1c; Stress-activated protein kinase JNK1; CCDS7225.1; ENSG00000107643
UniProt ID:	P45983
Sequence Predicted Mass (KDa):	48.296 (427 AA; P45983); 48.088 (427 AA; P45983-4); 44.229 (384 AA; P45983-2); 44.022 (384 AA; P45983-3); 35.333 (308 AA; P45983-5)
Observed SDS-PAGE Mass (KDa):	43-46

Immunogen

Antibody Immunogen Source:	Human JNK1 (MAPK8) sequence peptide Cat. No.: PE-01AXK99
Antibody Immunogen Sequence:	VMDLEERTKNGVIRGC
Location in Target:	Corresponds to amino acid residues V360 to G374;
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:	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:	1 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Antibody Positive Controls:	Medium immunoreactivity with recombinant human JNK1 on protein dot blots.
Overall Antibody Specificity:	High selectivity
Antibody Cross Reactivities:	Weak immunoreactivity on protein dot blots with recombinant human JNK3, and no immunoreactivity with JNK2.

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)