

AB-PK524

ASK1-pS1033 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-serine/threonine kinase ASK1 (MAP3K5)



KINEXUS

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Target Protein

Name Long:	Apoptosis signal regulating protein-serine kinase 1
Alias:	Apoptosis signal regulating kinase 1; Apoptosis signal-regulating kinase 1; ASK-1; Kinase ASK1; M3K5; MAP3K5; MAPK/ERK kinase kinase 5; MAPKKK5; MEK kinase 5; MEKK5; ENSG00000197442
UniProt ID:	Q99683
Sequence Predicted Mass (KDa):	154.537 (1374 AA; Q99683); 69.839 (621 AA; Q99683-2)
Observed SDS-PAGE Mass (KDa):	150-160

Immunogen

Antibody Immunogen Source:	Human ASK1 (MAP3K5) sequence peptide Cat. No.: PE-04ALQ95
Antibody Immunogen Sequence:	APP(pS)PEE(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues A1030 to E1036; After the kinase catalytic domain. This is the major in vivo phosphorylation site in ASK1.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Ser-1033

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. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	141024
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
Antibody Positive Controls:	Very strong immunoreactivity with immunogen peptide on dot blots.
Detection by Immunoblotting in Cell/Tissue Lysates:	Medium immunoreactivity of a target-sized protein by Western blotting.
Overall Antibody Specificity:	Very high selectivity
Antibody Cross Reactivities:	No cross-reactive proteins detected in HeLa cells and in sea star oocytes.

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)