

AB-PK920

ASK1-pT1326 Antibody

Phosphosite-specific rabbit polyclonal antibody for ASK1 (MAP3K5)



KINEXUS

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Target Protein

Protein Name Long:	Apoptosis signal regulating protein-serine kinase 1
Protein 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
Protein Molecular Mass:	154,537 Da (1374 AA; Q99683); 69,839 Da (621 AA; Q99683-2)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human ASK1
Antibody Immunogen Sequence:	CADED(pT)ISR
Antibody Immunogen Description:	Corresponds to amino acid residues A1322 to R1329. T1326 phosphorylation of ASK1 inhibits its phosphotransferase activity. ASK1 is known to be phosphorylated at this site <i>in vitro</i> by RSK2.
Antibody Target Type:	Phosphosite-specific

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Isotype:	IgG
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipепptide 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 these animals 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.
Amount:	25 µg
Antibody Concentration:	0.65 mg/ml
Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
Storage Conditions:	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.
Storage Stability:	>2 years

Applications

Product Use:	Western blotting Antibody microarray
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human Chimpanzee Dog Rat Mouse Platypus Chicken Zebrafish

This product is for *in vitro* research use only and is not intended for use in humans or animals.

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