

AB-NK256-2 YSK4-2 Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase YSK4 (MAP3K19)



KINEXUS

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Target Protein

Name Long:	SPS1/STE20-related protein kinase YSK4; Mitogen-activated protein kinase kinase kinase 8
Alias:	FLJ23074; Rck; Regulated in COPD, protein kinase; Ysk4; YSK4 Sps1/Ste20-related kinase
UniProt ID:	Q56UN5
Sequence Predicted Mass (KDa):	150.537 (1328 AA; Q56UN5); 137.548 (1215 AA; Q56UN5-3); 127.941 (1127 AA; Q56UN5-2); 57.659 (510 AA; Q56UN5-5); 52.504 (462 AA; Q56UN5-4); 51.920 (460 AA; Q56UN5-7); 18.702 (168 AA; Q56UN5-6)
Observed SDS-PAGE Mass (KDa):	50-70

Immunogen

Antibody Immunogen Source:	Human YSK4 (MAP3K19) sequence peptide Cat. No.: PE-01AZL90
Antibody Immunogen Sequence:	CSALQLLKHSFLERSH
Location in Target:	Corresponds to amino acid residues S1314 to H1328; Kinase last alpha-chain + C-terminus
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 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 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:	0.5 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
Antibody Positive Controls:	Weak reactivity with recombinant human TYK2 on protein dot blots.
Overall Antibody Specificity:	Very high selectivity
Antibody Cross Reactivities:	No immunoreactivity on protein dot blots with recombinant human MEKK2 and MEKK6.

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)