

AB-PN538

STAM2-pY374 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human STAM2



KINEXUS

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Target Protein

Name Long:	Signal transducing adapter molecule 2
Alias:	DKFZp564C047; HBP; Hrs-binding protein; HSE1 homolog; Signal transducing adapter molecule 2; signal transducing adaptor molecule (SH3 domain and ITAM motif) 2; STAM-2; STAM-like protein containing SH3 and ITAM domains 2; STAM2; STAM2A; STAM2B
UniProt ID:	O75886
Sequence Predicted Mass (KDa):	58.164 (525 AA; O75886-1); 38.370 (342 AA; O75886-2)
Observed SDS-PAGE Mass (KDa):	65-72

Immunogen

Antibody Immunogen Source:	Human STAM2 sequence peptide Cat. No.: PE-04AEF95
Antibody Immunogen Sequence:	YSV(pY)SKL(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues Y371 to L377; In the C-terminal half of the protein. This is the second major in vivo phosphorylation site in STAM2.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-374

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:	0.5 (/ 1.0) / 0.05 mg/ml
Lot Number:	150203 / 160301
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

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)