

AB-PK824

TAK1-pS439 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-serine/threonine kinase TAK1



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	TGF-beta-activated protein-serine kinase 1; Mitogen-activated protein kinase kinase kinase 7
Alias:	M3K7; MAP3K7; MEKK7; TGF1a; TGF-beta-activated kinase 1; TGF1a; ENSG00000135341
UniProt ID:	O43318
Sequence Predicted Mass (KDa):	67.196 (606 AA; O43318); 64.230 (579 AA; O43318-2); 56.706 (518 AA; O43318-3); 53.740 (491 AA; O43318-4)
Observed SDS-PAGE Mass (KDa):	67-85

Immunogen

Antibody Immunogen Source:	Human TAK1 sequence peptide Cat. No.: PE-04APV90
Antibody Immunogen Sequence:	RRR(pS)IQD(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues R436 to D442; In the C-terminal half of the protein. This is the major in vivo phosphorylation site in TAK1.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Ser-439

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:	150305
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.

AB-PK824

TAK1-pS439 Antibody



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

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.
Overall Antibody Specificity:	Very high selectivity
Antibody Cross Reactivities:	No significant cross-reactive proteins detected in T98G cells.

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)