

# AB-PK809

## SCYL1-pS754 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-serine/threonine kinase SCYL1



# KINEXUS

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### Target Protein

<b>Name Long:</b>	N-terminal kinase-like protein
<b>Alias:</b>	Coated vesicle-associated kinase of 90 kDa; SCY1-like protein 1; Telomerase regulation-associated protein; Telomerase transcriptional element-interacting factor; Teratoma-associated tyrosine kinase; GKLP; MGC78454; NKTL; NTKL; P105; TAPK; TEI; TRAP
<b>UniProt ID:</b>	Q96KG9
<b>Sequence Predicted Mass (kDa):</b>	89.631 (808 AA; Q96KG9); 88.089 (791 AA; Q96KG9-2); 86.371 (787 AA; Q96KG9-6); 86.312 (781 AA; Q96KG9-4); 78.696 (707 AA; Q96KG9-3); 69.238 (626 AA; Q96KG9-5)
<b>Observed SDS-PAGE Mass (kDa):</b>	90-105

### Immunogen

<b>Antibody Immunogen Source:</b>	Human SCYL1 sequence peptide Cat. No.: PE-04APN99
<b>Antibody Immunogen Sequence:</b>	RPD(pS)WGE(bA)C (bA) = beta-alanine
<b>Location in Target:</b>	Corresponds to amino acid residues R751 to E757; In the C-terminus. This is the major in vivo phosphorylation site.
<b>Peptide Type:</b>	For phosphosite-specific recognition of target.
<b>Target Phosphosite:</b>	Ser-754

### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Ig Isotype Clone Lot:</b>	Immunoglobulin G
<b>Production Method:</b>	The immunizing peptide was produced by solid phase synthesis on a multipепeptide 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.
<b>Antibody Amount:</b>	25 µg
<b>Antibody Concentration:</b>	0.75 mg/ml
<b>Lot Number:</b>	150305
<b>Storage Buffer:</b>	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol
<b>Storage Conditions and Stability:</b>	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

<b>Product Use:</b>	Western blotting   Antibody microarrays
<b>Antibody Dilution Recommended:</b>	2 µg/ml for immunoblotting
<b>Antibody Species Reactivity:</b>	Human, mouse, rat and many other mammals
<b>Antibody Positive Controls:</b>	Medium immunoreactivity with immunogen peptide on dot blots.
<b>Overall Antibody Specificity:</b>	High selectivity
<b>Antibody Cross Reactivities:</b>	Almost no significant cross-reactivities detected in HepG2, except insulin decreases 48K; No significant cross-reactivities was detected in T98G cells. A medium-strong ~40 KDa protein was detected in HepG2 cells, and several weak cross-reactive proteins were observed in A431 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](http://www.kinexusproducts.ca) or contact us at 1-866-KINEXUS(546-3987)