

AB-PK502

A6r-pY309 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-serine/threonine kinase A6r (Twinfin-2)



KINEXUS

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Target Protein

Name Long:	Twinfilin, actin-binding protein, 2; Protein tyrosine kinase 9-like
Alias:	TWF2; PTK9L
UniProt ID:	Q6IBS0
Sequence Predicted Mass (KDa):	39548 (349 AA; Q6IBS0)
Observed SDS-PAGE Mass (KDa):	39-40

Immunogen

Antibody Immunogen Source:	Human A6r (Twinfin-2) sequence peptide Cat. No.: PE-04ACE99
Antibody Immunogen Sequence:	EFL(pY)DEV(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues E306 to V312; In the end of the Cofilin_ADF domain. The major site of phosphorylation of A6r.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-309

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 multipеп 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:	141003
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:	Medium immunoreactivity with immunogen peptide on dot blots.
Antibody Cross Reactivities:	No significant cross-reactive proteins detected in seastar oocytes.

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

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