

AB-PK835

TRIM28-pY517 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-serine/threonine kinase TRIM28 (TIF1B)



KINEXUS

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Target Protein

Name Long:	Transcription intermediary factor 1-beta
Alias:	KAP-1; KRIP-1; RING finger protein 96; RNF96; TIF1-beta; Tripartite motif-containing protein 28; TRIM28
UniProt ID:	Q13263
Sequence Predicted Mass (KDa):	88.550 (835 AA; Q13263); 79.474 (753 AA; Q13263-2)
Observed SDS-PAGE Mass (KDa):	100-120

Immunogen

Antibody Immunogen Source:	Human TRIM28 (TIF1B) sequence peptide Cat. No.: PE-04APY99
Antibody Immunogen Sequence:	TED(pY)NLI(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues T514 to I520; In the region between the zf-B_box and PHD domains. The major site of phosphorylation in TRIM28.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-517

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:	1.0 / 1.0 mg/ml
Lot Number:	150101 / 160121
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
Overall Antibody Specificity:	High-very high selectivity
Antibody Cross Reactivities:	No significant cross-reactive proteins in A431, HeLa and MCF7 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)