PE-04APZ99-P

TRIM28 (455-461) pY458 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on TRIM28 (TIF1B)

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Target Protein

Name Long:	Transcription intermediary factor 1-beta
Name Alias:	KAP-1; KRIP-1; RING finger protein 96; RNF96; TIF1-beta; Tripartite motif-containing protein 28; TRIM28
Species Origin:	Human
UniProt ID:	Q13263

Peptide Structure

Peptide Name:	TRIM28 (455-461) pY458
Peptide Origin:	In the region between the zf-B_box and PHD domains. One of the major in vivo sites of phosphorylation in TRIM28.
Peptide Sequence Location:	D455-A461
Peptide Sequence:	DDP(pY)SSA(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1006.9
Observed Peptide Mass:	1006.5
% Peptide Purity:	98.2
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Lot Number:	KMP04CAX-115
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Services as a blocking peptide for use with the TRIM28-pY458 rabbit polyclonal antibody (Cat. No.: PK834) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.