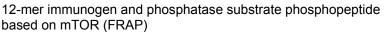
# PE-04AMM95-P

## FRAP1 (2475-2484) pS2478+pS2481 Peptide Powder





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#### **Target Protein**

Name Long:	Mammalian target of rapamycin (FRAP); FKBP12-rapamycin complex- associated protein
Name Alias:	DJ576K7.1; FK506 binding protein 12-rapamycin associated protein 1; FK506 binding protein 12-rapamycin associated protein 2; FK506-binding protein 12-rapamycin complex-associated protein 1; FKBP12-rapamycin complex-associated protein 1; FKBP-rapamycin associated protein; FLJ44809; FRAP; FRAP2; RAPT1; mTOR; CCDS127.1; ENSG00000198793
Species Origin:	Human
UniProt ID:	P42345

#### Peptide Structure

Peptide Name:	FRAP1 (2475-2484) pS2478+pS2481
Peptide Origin:	In the C-terminal fifth of the kinase at the end of the PI3_PI4-kinase domain.
Peptide Sequence Location:	V2475-G2484
Peptide Sequence:	VPE(pS)IH(pS)FIG(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:	1419.39
Observed Peptide Mass:	1420
% Peptide Purity:	94.8
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-25
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

### **Applications**

	Services as a blocking peptide for use with the mTOR-pS2478+pS2481 rabbit		
	Product Use:	polyclonal antibody (Cat. No.: PK730) that is also available from Kinexus. This	
	Product use.	phosphopeptide may also be useful as a substrate for screening the	
		phosphatase activity of protein phosphatases.	

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