

Datasheet for 000-001-GP9**ERK1 C-Term Blocking Peptide****Overview**

Description:	ERK1 C-Term Blocking Peptide - 000-001-GP9
Item No.:	000-001-GP9
Size:	50 µg

Product Details

Background:	Mitogen activated protein kinase 3, also known as MAPK3, ERK, or ERK1, is an integral component of the MAP kinase cascade that regulates cell growth and differentiation. ERK1 and ERK2 are activated by MEK1 and MEK2 in the B-raf signaling pathway resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Human ERK1 and ERK2 are 84% identical in sequence and share common functionality in cells. ERK1 is ideal for investigators involved in Neuroscience, Cell Signaling and Cancer Research.
Synonyms:	MAPK3, ERK, ERK1, PRKM3, ERK-1 Blocking peptide, ERK-1 Control peptide
Type:	Peptide

Target Details

Gene Name:	MAPK3
Purity/Specificity:	Purity was determined to be greater than 95% specific peptide by analysis by HPLC and by reducing and non-reducing SDS-PAGE.
Relevant Links:	UniProtKB - P27361

Application Details

Application Note:	ERK1 C-term blocking peptide is suitable as a control for polyclonal or monoclonal Anti-ERK1 in immunological assays.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	50ng

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by dry weight
Buffer:	None
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None
Reconstitution Volume:	50 μ L
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 2-8 °C prior to opening. Aliquot contents and freeze at -20 °C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Dilute only prior to immediate use.
Expiration:	Expiration date is six (6) months from date of receipt.

Disclaimer

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