## **Product Datasheet**

## ERK5 (Phospho-Thr219 + Tyr221) Antibody HRP Conjugated

Catalog No: #C01299H



Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

Host Species   Rabbit     Clonality   Polyclonal     Isotype   IgG     Purification   Purified by Protein A.     Applications   IHC ICC     Species Reactivity   Hu Ms Rt     Immunogen Description   KLH conjugated synthetic phosphopeptide derived from human ERK5 around the phosphorylation site of Thr219 + Tyr221     Conjugates   HRP     Target Name   ERK5 Thr219 + Tyr221; ERK5 phospho Thr219 + Tyr221; Big MAP kinase 1; BMK 1; BMK 1 kinase; BMK-1; BMK1 Kinase; EC 2.7.11.24; ERK 4; ERK 5; ERK-5; Extracellular Signal Regulated Kinase 5; KATP cellular Signal Regulated Kinase 5; MAP kinase 7; MAPK 7; MAPK7; Mitogen Activated     Excitation Emission   N A     Concentration   Img ml     Concentration   0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.	Description	
Clonality   Polyclonal     Isotype   IgG     Purification   Purified by Protein A.     Applications   IHC ICC     Species Reactivity   Hu Ms Rt     Immunogen Description   KLH conjugated synthetic phosphopeptide derived from human ERK5 around the phosphorylation site of Thr219 + Tyr221     Conjugates   HRP     Target Name   ERK5 Thr219 + Tyr221; ERK5 phospho Thr219 + Tyr221; Big MAP kinase 1; BMK 1; BMK 1 kinase; EC 2.7.11.24; ERK 4; ERK 5; ERK-5; ERK4; ERK5; Extracellular Signal Regulated Kinase 5; Extracellular signal-regulated kinase 5; MAP kinase 7; MAPK 7; MAPK7; Mitogen Activated     Excitation Emission   N A     Concentration   Img ml     Concentration   0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.	Product Name	ERK5 (Phospho-Thr219 + Tyr221) Antibody HRP Conjugated
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Regulated Kinase 5; Extracellular signal-regulated kinase 5; MAP kinase 7; MAPK 7; MAPK 7; Mitogen Activated   Excitation Emission N A   Concentration 1mg ml   Formulation 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.	Other Names	ERK5 phospho Thr219 + Tyr221; ERK5 phospho Thr219 + Tyr221; Big MAP kinase 1; BMK 1; BMK 1 kinase;
Activated   Excitation Emission N A   Concentration 1mg ml   Formulation 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.		BMK-1; BMK1; BMK1 Kinase; EC 2.7.11.24; ERK 4; ERK 5; ERK-5; ERK4; ERK5; Extracellular Signal
Excitation EmissionN AConcentration1mg mlFormulation0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.		Regulated Kinase 5; Extracellular signal-regulated kinase 5; MAP kinase 7; MAPK 7; MAPK7; Mitogen
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Formulation 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.	Excitation Emission	NA
	Concentration	1mg ml
Storage Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
	Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## **Application Details**

IHC-P=1:50-200 IHC-F=1:50-200 ICC=1:50-200

## Background

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is specifically activated by mitogen-activated protein kinase kinase 5 (MAP2K5 MEK5). It is involved in the downstream signaling processes of various receptor molecules including receptor type kinases, and G protein-coupled receptors. In response to extracelluar signals, this kinase translocates to cell nucleus, where it regulates gene expression by phosphorylating, and activating different transcription factors. Four alternatively spliced transcript variants of this gene encoding two distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

Note: This product is for in vitro research use only