

Phospho-MARK1/MARK2/MARK3 (Thr215, Thr208, Thr234) Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding threonine 215 of human MARK1
Form	Liquid
Concentration	59 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage conditions	-20°C
RRID	AB_10980994

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	3 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication

Product Specific Information

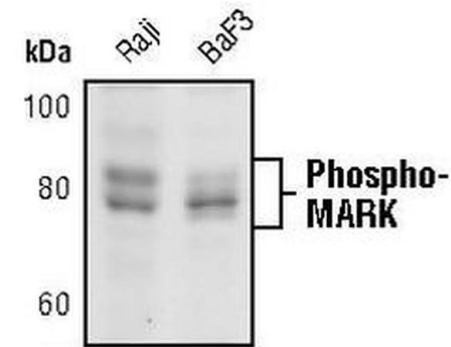
This antibody does not react with MARK4.

It is not recommended to aliquot this antibody.

Product Images For Phospho-MARK1/MARK2/MARK3 (Thr215, Thr208, Thr234) Polyclonal Antibody

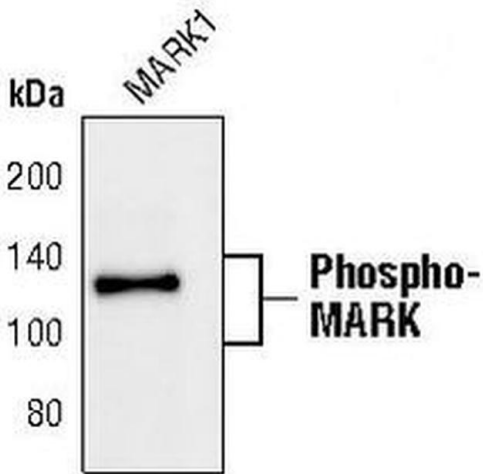
Phospho-MARK1/MARK2/MARK3 (Thr215, Thr208, Thr234) Antibody (PA5-17495) in WB

Western blot analysis of Phospho-MARK Family in extracts from Raji and BaF3 cells showing endogenous levels of phosphorylated MARK family members using Phospho-MARK Family polyclonal antibody (Product # PA5-17495).



Phospho-MARK1/MARK2/MARK3 (Thr215, Thr208, Thr234) Antibody (PA5-17495) in WB

Western blot analysis of Phospho-MARK Family in extracts from 293 cells transfected with either wild-type or threonine to alanine mutations at the respective phosphorylation sites of the MARK family members using Phospho-MARK Family polyclonal antibody (Product # PA5-17495). Transfected constructs contain a GST and HA tag. Transfection efficiency monitored with an HA antibody.



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Western Blot (3)

The Journal of biological chemistry

Postsynaptic density 95 (PSD-95) serine 561 phosphorylation regulates a conformational switch and bidirectional dendritic spine structural plasticity.

"PA5-17495 was used in Western Blotting to reveal insight into the regulation of PSD-95 in dendritic spine structural plasticity through phosphorylation-mediated regulation of protein dynamics and conformation."

Authors: Wu Q,Sun M,Bernard LP,Zhang H

Year
2017

Dilution
1:1000

Nature communications

Membrane-binding and activation of LKB1 by phosphatidic acid is essential for development and tumour suppression.

"PA5-17495 was used in Western Blot to show that targeting of the kinase to the membrane by a direct binding of LKB1 to phosphatidic acid is essential to fully activate its kinase activity."

Authors: Dogliotti G,Kullmann L,Dhumale P,Thiele C,Panichkina O,Mendl G,Houben R,Haferkamp S,Püschel AW,Krahn MP

Year
2017

Species
Human

Dilution
1:500

[View more WB references on thermofisher.cn](#)

Immunohistochemistry (1)

Acta neuropathologica communications

MARK4 and MARK3 associate with early tau phosphorylation in Alzheimer's disease granulovacuolar degeneration bodies.

"PA5-17495 was used in immunohistochemistry to study the significance for Alzheimer's disease of the presence in granulovacuolar degradation bodies of MARK-3/MARK-4 and Ser262 phosphorylated tau"

Authors: Lund H,Gustafsson E,Svensson A,Nilsson M,Berg M,Sunnemark D,von Euler G

Year
2014

Species
Human

Immunocytochemistry (1)

The Journal of neuroscience : the official journal of the Society for Neuroscience

Unbiased Proteomics of Early Lewy Body Formation Model Implicates Active Microtubule Affinity-Regulating Kinases (MARKs) in Synucleinopathies.

"PA5-17495 was used in Immunocytochemistry to support a role for autophagy as a survival mechanism in response to stress due to ribosomal P proteins protein deficiency."

Authors: Henderson MX,Chung CH,Riddle DM,Zhang B,Gathagan RJ,Seeholzer SH,Trojanowski JQ,Lee VMY

Year
2017

Species
Mouse

More applications with references on thermofisher.cn

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