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Datasheet for ABIN550190 anti-Mitogen-Activated Protein Kinase (MAPK) (pThr202), (pTyr204) antibody



1 Image

Publications

#### Overview

Quantity:	100 µL
Target:	Mitogen-Activated Protein Kinase (MAPK)
Binding Specificity:	pThr202, pTyr204
Reactivity:	Human, Mouse, Rat, Chicken, Cow, Dog, Zebrafish (Danio rerio), Frog, Primate
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic phosphopeptide of ERK/MAPK.
Immunogen:	Synthetic phosphopeptide corresponding to residues surrounding T202/Y204 of rat ERK/MAPK.
lsotype:	lgG
Cross-Reactivity:	Chicken, Cow, Dog, Frog, Human, Mouse, Primate, Rat, Zebrafish (Danio rerio)
Characteristics:	Antibody Reactive Against Synthetic Peptide.

### Target Details

Target:	Mitogen-Activated Protein Kinase (MAPK)
Alternative Name:	ERK/MAPK (MAPK Products)

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Target Details	
Pathways:	VEGF Signaling
Application Details	
Application Notes:	Western Blot (1:1000)
	The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50 % glycerol, 10 % BSA)
Storage:	-20 °C
Storage Comment:	Store at -20°C.
	Aliquot to avoid repeated freezing and thawing.
Publications	
Product cited in:	Tanoue, Nishida: "Molecular recognitions in the MAP kinase cascades." in: Cellular signalling,
	Vol. 15, Issue 5, pp. 455-62, (2003) (PubMed).
	Johnson, Lapadat: "Mitogen-activated protein kinase pathways mediated by ERK, JNK, and p38
	protein kinases." in: <b>Science (New York, N.Y.)</b> , Vol. 298, Issue 5600, pp. 1911-2, (2002) (
	PubMed).
	Adams, Sweatt: "Molecular psychology: roles for the ERK MAP kinase cascade in memory." in:
	Annual review of pharmacology and toxicology, Vol. 42, pp. 135-63, (2002) (PubMed).



#### **Western Blotting**

**Image 1.** Western blot of human T-47D cell lysates showing specific immunolabeling of ~42-44k ERK/MAPK protein phosphorylated at Thr202 and Tyr204 (Control). The phosphospecificity of this labeling is shown in the second lane (lambda-phosphatase: lambda-Ptase). The blot is identical to the control except that it was incubated in lambda-Ptase (1200 units for 30 min) before being exposed to the Anti-Thr202/Tyr204 ERK/MAPK. The immunolabeling is completely eliminated by treatment with lambda-Ptase.

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