Datasheet for ABIN7138835

anti-MAPKAP Kinase 2 antibody (pThr334)

3 Images

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Overview

Quantity:	100 µL
Target:	MAPKAP Kinase 2 (MAPKAPK2)
Binding Specificity:	pThr334
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPKAP Kinase 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of threonine 334 (P-Q-T(p)-P-L) derived from Human MAPKAPK-2.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi

Target Details

Target:	MAPKAP Kinase 2 (MAPKAPK2)
Alternative Name:	MAPKAPK2 (MAPKAPK2 Products)

Target Details

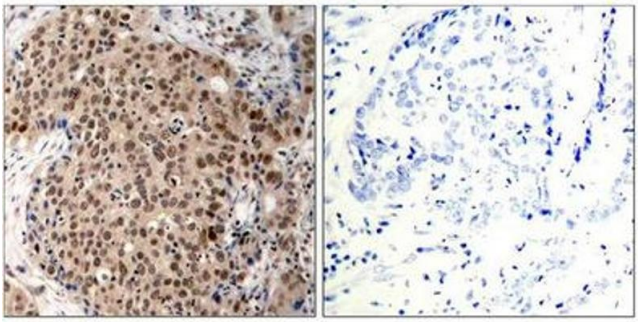
Background:	Background: MAPKAPK-2 encodes a member of the Ser/Thr protein kinase family. This kinase is regulated through direct phosphorylation by p38 MAP kinase. In conjunction with p38 MAP kinase, this kinase is known to be involved in many cellular processes including stress and inflammatory responses, nuclear export, gene expression regulation and cell proliferation. Heat shock protein HSP27 was shown to be one of the substrates of this kinase in vivo. Two transcript variants encoding two different isoforms have been found for this gene. Rouse, J. et al. (1994) Cell 78, 1027-1037. Ben-Levy, R. et al. (1995) EMBO J. 14, 5920-5930. Aliases: MAP kinase activated protein Kinase 2 antibody, MAP kinase-activated protein kinase 2 antibody, MAPK activated protein kinase 2 antibody, MAPK-activated protein kinase 2 antibody, MAPK2_HUMAN antibody, MAPKAP K2 antibody, MAPKAP kinase 2 antibody, MAPKAPK 2 antibody, MAPKAPK-2 antibody, MAPKAPK2 antibody, Mitogen activated protein kinase activated protein kinase 2 antibody, MK 2 antibody, MK2 antibody
UniProt:	P49137
Pathways:	MAPK Signaling, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Toll-Like Receptors Cascades

Application Details

Application Notes:	WB:1:500-1:1000, IHC:1:50-1:100, IF:1:100-1:200,
Restrictions:	For Research Use only

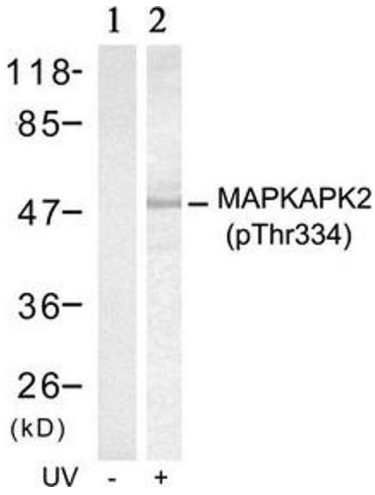
Handling

Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



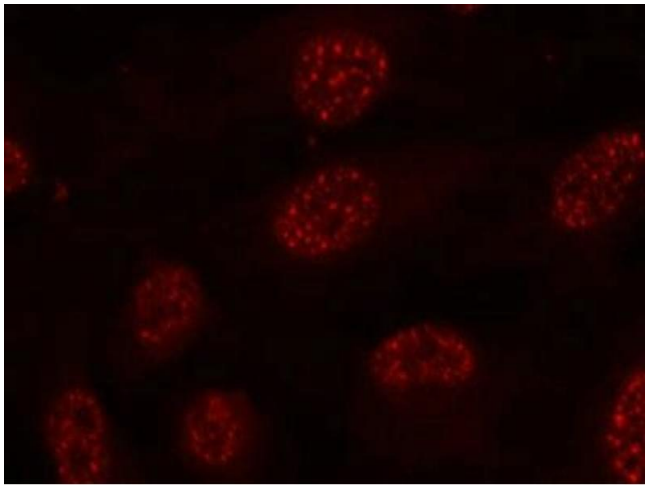
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MAPKAPK-2(Phospho-Thr334) Antibody(left) or the same antibody preincubated with blocking peptide(right).



Western Blotting

Image 2. Western blot analysis of extracts from Hela cells untreated(lane 1) or treated with UV(lane 2) using MAPKAPK-2(Phospho-Thr334) Antibody.



Immunofluorescence

Image 3. Immunofluorescence staining of methanol-fixed Hela cells using MAPKAPK-2(Phospho-Thr334) Antibody.

