

Product datasheet for **TA392566S**

MAPKAP Kinase 2 (MAPKAPK2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1:2000~1:5000 IF: 1:50~1:200
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide derived from human MAPKAPK-2 around the phosphorylation site of Threonine 334.
Specificity:	MAPKAPK-2 (Phospho-T334) polyclonal antibody detects endogenous levels of MAPKAPK-2 protein only when phosphorylated at Thr334.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 48 kDa
Gene Name:	mitogen-activated protein kinase-activated protein kinase 2
Database Link:	Entrez Gene 9261 Human P49137

Background: In response to cytokines, stress, and chemotactic factors, MAP kinase-activated protein kinase 2 (MAPKAPK-2) is rapidly phosphorylated and activated. It has been shown that MAPKAPK-2 is a direct target of p38 MAPK. Multiple residues of MAPKAPK-2 are phosphorylated in vivo in response to stress. However, only four residues (Thr25, Thr222, Ser272, and Thr334) are phosphorylated by p38 MAPK in an in vitro kinase assay. Phosphorylation at Thr222, Ser272, and Thr334 appears to be essential for the activity of MAPKAPK-2. Thr25 is phosphorylated by p42 MAPK in vitro, but is not required for the activation of MAPKAPK-2.

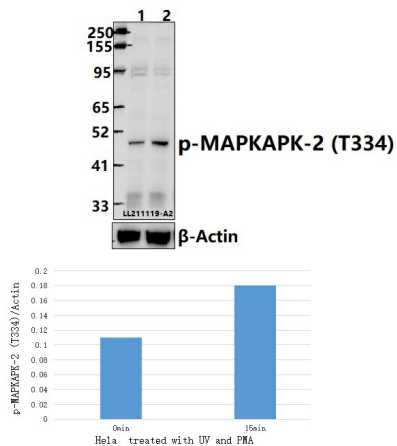


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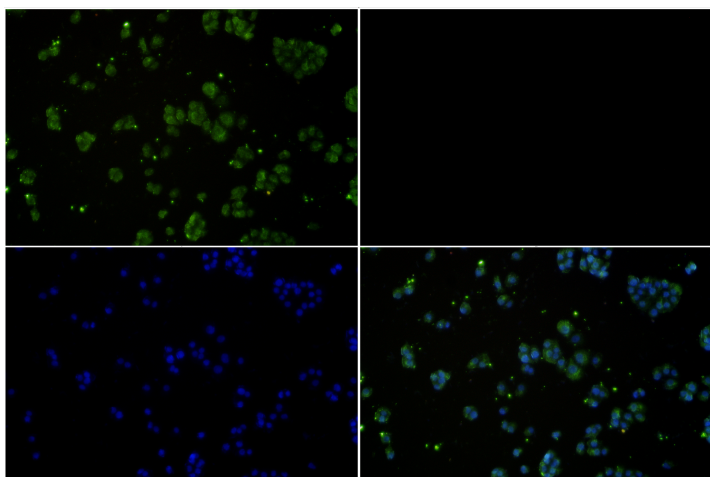
Synonyms: MAPK-activated protein kinase 2; MAPKAP-K2; MAPKAPK-2; MAPKAPK2; MAPKAP kinase 2; MAP kinase-activated protein kinase 2; MK-2; MK2

Note: For research use only, not for use in diagnostic procedure.

Product images:



Western blot (WB) analysis of MAPKAPK-2 (Phospho-T334) polyclonal antibody at 1:2000 dilution Lane1:HeLa whole cell lysate(40ug) Lane2:HeLa treated with UV 5 min and PMA (200nM,10 min) whole cell lysate(40ug)



Immunofluorescence analysis of HeLa cells using MAPKAPK-2 (Phospho-T334) antibody at dilution of 1:50.