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Datasheet for ABIN520005  
**anti-MAPK12 antibody (AA 1-367)**

2 Images

1 Publication

### Overview

Quantity:	100 µg
Target:	MAPK12
Binding Specificity:	AA 1-367
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPK12 antibody is un-conjugated
Application:	Western Blotting (WB), Proximity Ligation Assay (PLA)

### Product Details

Purpose:	Rabbit polyclonal antibody raised against a full-length human MAPK12 protein.
Immunogen:	MAPK12 (NP_002960.2, 1 a.a. ~ 367 a.a) full-length human protein.
Sequence:	MSSPPPARSG FYRQEVTKTA WEVRAVYRDL QPVGSGAYGA VCSAVDGRTG AKVAIKKLYR PFQSEFAKR AYRELRLKHK MRHENVIGLL DVFTPDETLD DFTDFYLVMP FMGTDLGKLM KHEKLGEDRI QFLVYQMLKG LRYIHAAGII HRDLKPGNLA VNEDCELKIL DFGLARQADS EMTGYYVTRW YRAPEVILNW MRYTQTVDIW SVGCIMAEMI TGKTLFKGSD HLDQLKEIMK VTGTPPAEFV QRLQSDEAKN YMKGLPELEK KDFASILTNA SPLAVNLEK MLVLDAEQRV TAGEALHPY FESLHDEDE PQVQKYDDSF DDVDRTLDEW KRVTYKEVLS FKPPRQLGAR VSKETPL
Cross-Reactivity:	Human
Characteristics:	Antibody reactive against mammalian transfected lysate.

## Target Details

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Target:	MAPK12
Alternative Name:	MAPK12 ( <a href="#">MAPK12 Products</a> )
Background:	Full Gene Name: mitogen-activated protein kinase 12 Synonyms: ERK3,ERK6,P38GAMMA,PRKM12,SAPK-3,SAPK3
Gene ID:	6300
NCBI Accession:	<a href="#">NM_002969</a>
Pathways:	<a href="#">MAPK Signaling</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Hepatitis C</a> , <a href="#">BCR Signaling</a> , <a href="#">S100 Proteins</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

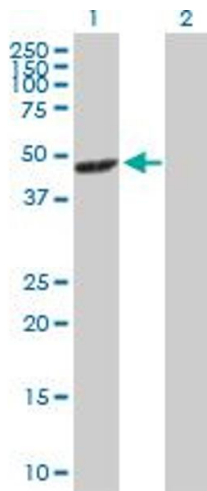
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Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Publications

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Product cited in:	Liu, Chen, Chau, Jan, Chen, Hsu, Lin, Juang, Lu, Cheng, Chen, Chang, Ting, Kao, Hsiao, Huang: "Analysis of protein-protein interactions in cross-talk pathways reveals CRKL protein as a novel prognostic marker in hepatocellular carcinoma." in: <b>Molecular &amp; cellular proteomics : MCP</b> , Vol. 12, Issue 5, pp. 1335-49, (2013) ( <a href="#">PubMed</a> ).
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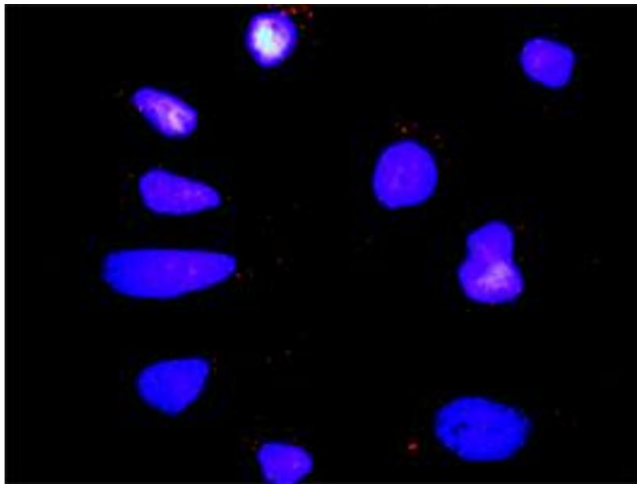


### Western Blotting

**Image 1.** Western Blot analysis of MAPK12 expression in transfected 293T cell line by MAPK12 MaxPab polyclonal antibody.

Lane 1: MAPK12 transfected lysate(41.90 KDa).

Lane 2: Non-transfected lysate.



### Proximity Ligation Assay

**Image 2.** Proximity Ligation Analysis of protein-protein interactions between MAPK12 and DLG1. HeLa cells were stained with anti-MAPK12 rabbit purified polyclonal 1:1200 and anti-DLG1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).