

**MAPK4 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7298b****Specification**

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**MAPK4 Antibody (C-term) - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">O0VG04</a>
Other Accession	<a href="#">P31152</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Antigen Region	<b>537-566</b>

**MAPK4 Antibody (C-term) - Additional Information****Other Names**

Mitogen-activated protein kinase 4; Mitogen-activated protein kinase 4, isoform CRA\_a; MAPK4

**Target/Specificity**

This MAPK4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 537-566 amino acids from the C-terminal region of human MAPK4.

**Dilution**

WB~~1:2000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

MAPK4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

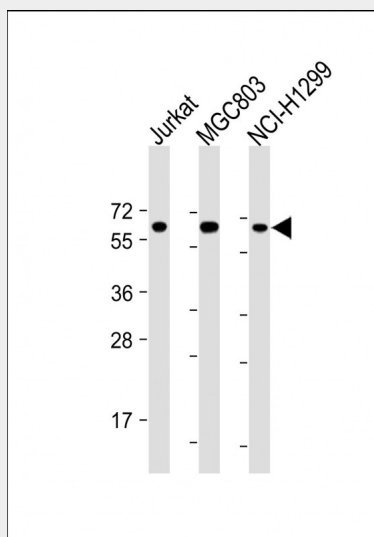
**MAPK4 Antibody (C-term) - Protein Information****MAPK4 Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### MAPK4 Antibody (C-term) - Images



All lanes : Anti-MAPK4 Antibody (C-term) at 1:2000 dilution Lane 1: Jurkat whole cell lysate Lane 2: MGC803 whole cell lysate Lane 3: NCI-H1299 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 66 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

### MAPK4 Antibody (C-term) - Background

Mitogen-activated protein kinase 4 is a member of the mitogen-activated protein kinase family. Tyrosine kinase growth factor receptors activate mitogen-activated protein kinases which then translocate into the nucleus where it phosphorylates nuclear targets.

### MAPK4 Antibody (C-term) - References

Kant,S.,J. Biol. Chem. 281 (46), 35511-35519 (2006)  
Seger,R.,FASEB J. 9 (9), 726-735 (1995)  
Lerner-Marmarosh,N.,Proc. Natl. Acad. Sci. U.S.A. 105 (19), 6870-6875 (2008)

### MAPK4 Antibody (C-term) - Citations

- [On the Therapeutic Potential of ERK4 in Triple-Negative Breast Cancer](#)
- [MAPK4 promotes triple negative breast cancer growth and reduces tumor sensitivity to PI3K blockade](#)
- [MAPK6-AKT signaling promotes tumor growth and resistance to mTOR kinase blockade](#)
- [MAPK4 overexpression promotes tumor progression via noncanonical activation of AKT/mTOR signaling.](#)