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MAPK4 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7298b

Product Information

Application	WB, E
Primary Accession	Q0VG04
Other Accession	P31152
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14448
Antigen Region	537-566

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~~1:1000 E~~Use at an assay dependent concentration.
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.

Protein Information

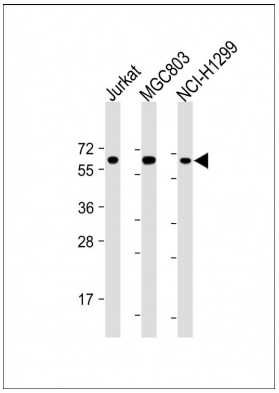
Background

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.

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)

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 µg 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.

Citations

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.