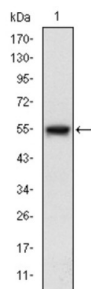
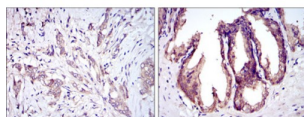


Apoptosis Signal Regulating Kinase 1 (MAP3K5) Antibody

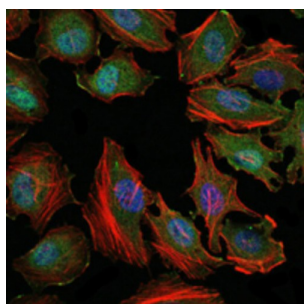
Catalogue No.: abx011152



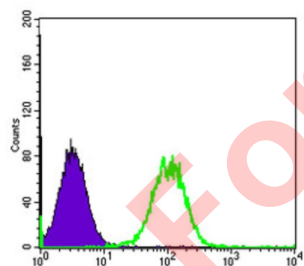
Western blot analysis using MAP3K5 antibody against human MAP3K5 (AA: 922-1108) recombinant protein. (Expected MW is 46.5 kDa).



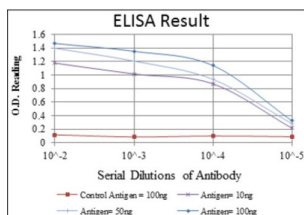
Immunohistochemical analysis of paraffin-embedded breast cancer tissues (left) and prostate tissues (right) using MAP3K5 antibody with DAB staining.



Immunofluorescence analysis of HeLa cells using MAP3K5 antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with AF555 phalloidin.



Flow cytometric analysis of HeLa cells using MAP3K5 antibody (green) and negative control (purple).



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

Datasheet

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Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, *Drosophila*, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) *in vitro*, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells; MAPKKK5 does not activate MAPK/ERK.

Target:	Apoptosis Signal Regulating Kinase 1 (MAP3K5)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, IHC, IF/ICC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human MAP3K5 expressed in <i>E. coli</i> .
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q99683 (UniProt , ExPASy)
Gene Symbol:	MAP3K5
GeneID:	4217
OMIM:	602448
HGNC:	6857
KEGG:	hsa:4217

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Ensembl: ENSG00000197442

String: [9606.ENSP00000351908](#)

Enzyme Commission Number: EC 2.7.11.25

Molecular Weight: 55 kDa

Buffer: Ascitic fluid containing 0.03% sodium azide.

Concentration: Not determined.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only