
Product Name: HPK1 Rabbit Polyclonal Antibody**Catalog #: APRab12193**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:500,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	91kDa

Antigen Information

Gene Name	MAP4K1
Alternative Names	MAP4K1; HPK1; Mitogen-activated protein kinase kinase kinase kinase 1; Hematopoietic progenitor kinase; MAPK/ERK kinase kinase kinase 1; MEK kinase kinase 1; MEKKK 1
Gene ID	11184.0
SwissProt ID	Q92918
Immunogen	The antiserum was produced against synthesized peptide derived from human MEKKK 1. AA range:371-420

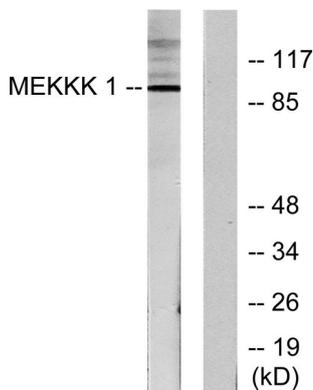
Background

catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,function:May play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway. May play a role in hematopoietic lineage decisions and growth regulation.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.,similarity:Contains 1 CNH domain.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with MAP3K1.,tissue specificity:Expressed primarily in hematopoietic organs, including bone marrow, spleen and thymus. Also expressed at very low levels in lung, kidney, mammary glands and small intestine.,catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,function:May play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway. May play a role in hematopoietic lineage decisions and growth regulation.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.,similarity:Contains 1 CNH domain.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with MAP3K1.,tissue specificity:Expressed primarily in hematopoietic organs, including bone marrow, spleen and thymus. Also expressed at very low levels in lung, kidney, mammary glands and small intestine.,

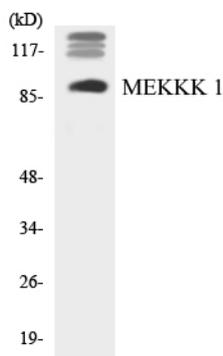
Research Area

MAPK_ERK_Growth;MAPK_G_Protein;

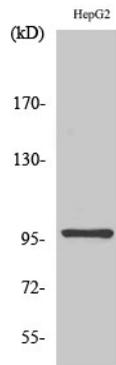
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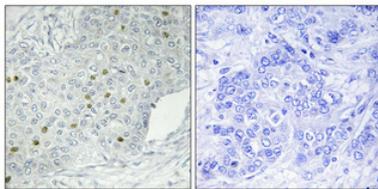
Western blot analysis of lysates from HepG2 cells, using MEKKK 1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using MEKKK 1 antibody.



Western Blot analysis of various cells using HPK1 Polyclonal Antibody diluted at 1:1000



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100 (4°, overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.