



HPK1 rabbit pAb

Cat No.:ES2564

For research use only

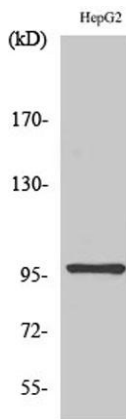
Overview

Product Name	HPK1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human MEKKK 1. AA range:371-420
Specificity	HPK1 Polyclonal Antibody detects endogenous levels of HPK1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Mitogen-activated protein kinase kinase kinase 1
Gene Name	MAP4K1
Cellular localization	intracellular,cytoplasm,membrane,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	91kD
Human Gene ID	11184
Human Swiss-Prot Number	Q92918
Alternative Names	MAP4K1; HPK1; Mitogen-activated protein kinase kinase kinase 1; Hematopoietic progenitor kinase; MAPK/ERK kinase kinase 1; MEK kinase kinase 1; MEKKK 1
Background	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,function:May play a role in the response to environmental stress.

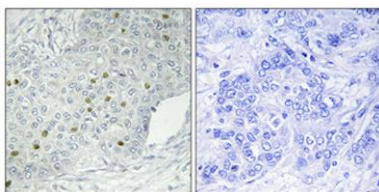




Appears to act upstream of the JUN N-terminal pathway. May play a role in hematopoietic lineage decisions and growth regulation.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.,similarity:Contains 1 CNH domain.,similarity:Contains 1 protein kinase 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.,

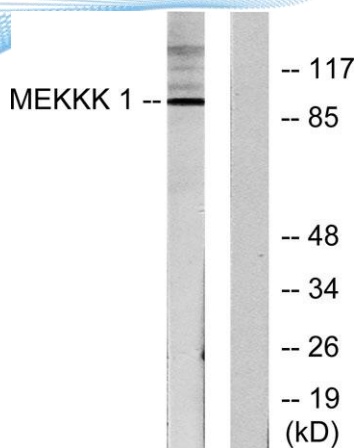


Western Blot analysis of various cells using HPK1
Polyclonal Antibody diluted at 1:1000

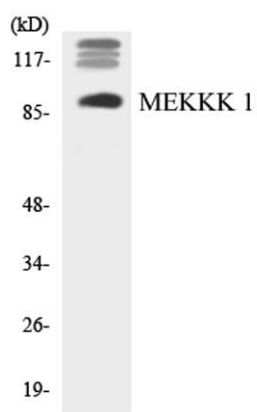


Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.





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 HUVECcells using MEKKK 1 antibody.

