Best Tools for immunology Research

HPK1 Polyclonal Antibody

Catalog No :	YT2225
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	HPK1
Fields :	>>MAPK signaling pathway
Gene Name :	MAP4K1
Protein Name :	Mitogen-activated protein kinase kinase kinase kinase 1
Human Gene Id :	11184
Human Swiss Prot No :	Q92918
Mouse Gene Id :	26411
Mouse Swiss Prot No :	P70218
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.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	91kD
Cell Pathway :	MAPK_ERK_Growth;MAPK_G_Protein;
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.,
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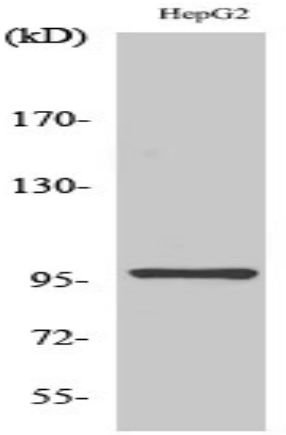
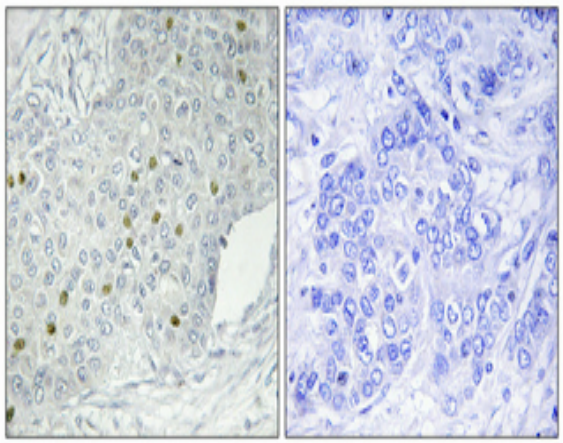
Subcellular Location :	intracellular,cytoplasm,membrane,
Expression :	Expressed primarily in hematopoietic organs, including bone marrow, spleen and thymus. Also expressed at very low levels in lung, kidney, mammary glands and small intestine.

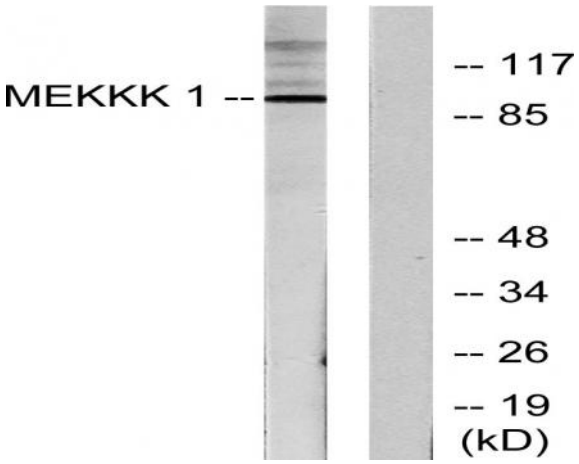
Products Images



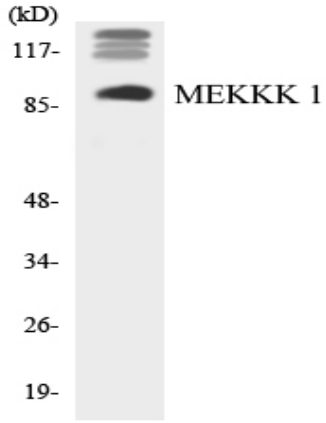
Western Blot analysis of various cells using HPK1 Polyclonal Antibody diluted at 1:1000



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. Negetive contrl (right) obtaned 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.