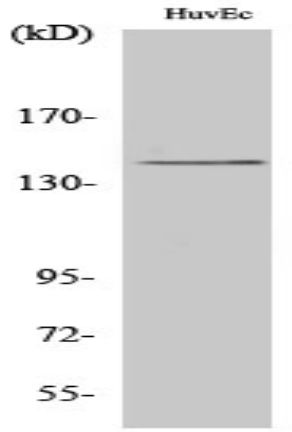
Best Tools for immunology Research

HGK Polyclonal Antibody

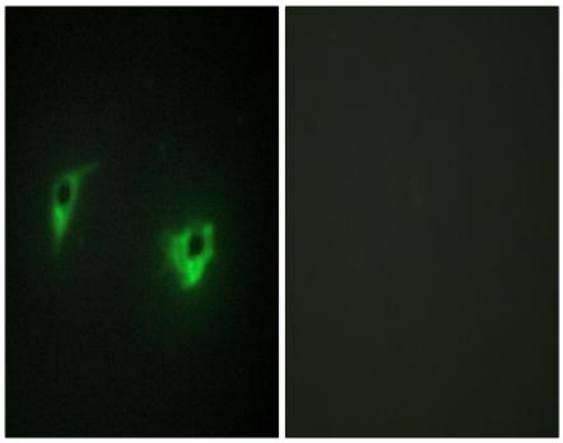
Catalog No :	YT2130
Reactivity :	Human;Mouse
Applications :	WB;IF;ELISA
Target :	HGK
Fields :	>>MAPK signaling pathway
Gene Name :	MAP4K4
Protein Name :	Mitogen-activated protein kinase kinase kinase kinase 4
Human Gene Id :	9448
Human Swiss Prot No :	O95819
Mouse Gene Id :	26921
Mouse Swiss Prot No :	P97820
Immunogen :	The antiserum was produced against synthesized peptide derived from human MEKKK 4. AA range:406-455
Specificity :	HGK Polyclonal Antibody detects endogenous levels of HGK 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. IF 1:200 - 1:1000. ELISA: 1:40000. Not yet tested in other applications.
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 :	142kD
Cell Pathway :	MAPK_ERK_Growth;MAPK_G_Protein;
Background :	mitogen-activated protein kinase kinase kinase kinase 4(MAP4K4) Homo sapiens The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase has been shown to specifically activate MAPK8/JNK. The activation of MAPK8 by this kinase is found to be inhibited by the dominant-negative mutants of MAP3K7/TAK1, MAP2K4/MKK4, and MAP2K7/MKK7, which suggests that this kinase may function through the MAP3K7-MAP2K4-MAP2K7 kinase cascade, and mediate the TNF-alpha signaling pathway. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008],
Function :	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,function:Serine/threonine kinase that may play a role in the response to environmental stress and cytokines such as TNF-alpha. Appears to act upstream of the JUN N-terminal pathway.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the protein kinase superfamily.,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 the SH3 domain of the adapter proteins Nck (By similarity). Binds, via its CNH regulatory domain, to the N-terminal region of SPG3A.,tissue specificity:Appears to be ubiquitous, expressed in all tissue types examined. Isoform 5 appears to be more abundant in the brain, isoform 4 is predominant in the liver, skelet
Subcellular Location :	Cytoplasm .
Expression :	Widely expressed. Isoform 5 is abundant in the brain. Isoform 4 is predominant in the liver, skeletal muscle and placenta.
Tag :	orthogonal
Sort :	7344
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

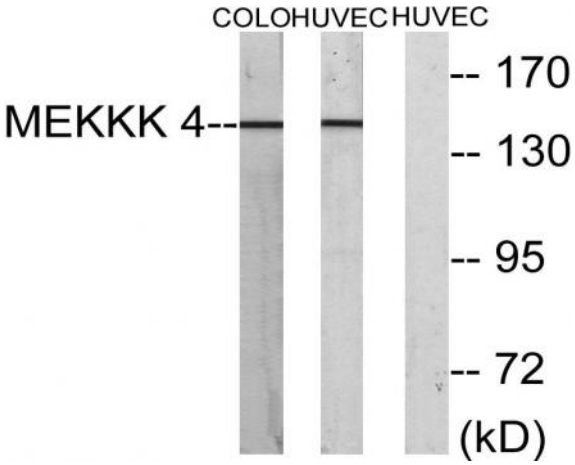
Products Images



Western Blot analysis of various cells using HGK Polyclonal Antibody



Immunofluorescence analysis of A549 cells, using MEKKK 4 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC and COLO cells, using MEKKK 4 Antibody. The lane on the right is blocked with the synthesized peptide.