

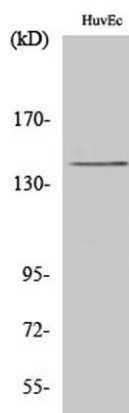
**HGK rabbit pAb****Cat#: orb765386 (Manual)**

For research use only. Not intended for diagnostic use.

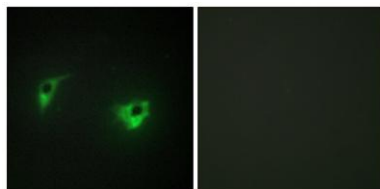
<b>Product Name</b>	HGK rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human MEKKK 4. AA range:406-455
<b>Specificity</b>	HGK Polyclonal Antibody detects endogenous levels of HGK protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Mitogen-activated protein kinase kinase kinase kinase 4
<b>Gene Name</b>	MAP4K4
<b>Cellular localization</b>	Cytoplasm .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	142kD
<b>Human Gene ID</b>	9448
<b>Human Swiss-Prot Number</b>	O95819
<b>Alternative Names</b>	MAP4K4; HGK; KIAA0687; NIK; Mitogen-activated protein kinase kinase kinase 4; HPK/GCK-like kinase HGK; MAPK/ERK kinase kinase 4; MEK kinase kinase 4; MEKKK 4; Nck-interacting kinase

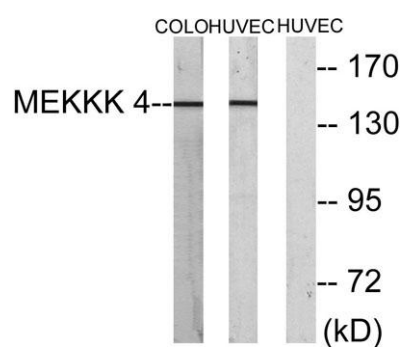
**Background** mitogen-activated protein kinase kinase kinase 4(MAP4K4) Homo sapiens The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase has been shown to specifically activate MAPK8/JNK. The activation of MAPK8 by this kinase is found to be inhibited 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],



**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.**