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Product datasheet for AP20403PU-M

MAP4K4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	**Western blot:** 1/500-1/1000. **Immunofluorescence**: 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of HGK protein. (region surrounding Arg430)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction > 95% (by SDS-PAGE) Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~142 kDa
Gene Name:	mitogen-activated protein kinase kinase kinase kinase 4
Database Link:	Entrez Gene 26921 MouseEntrez Gene 9448 Human O95819

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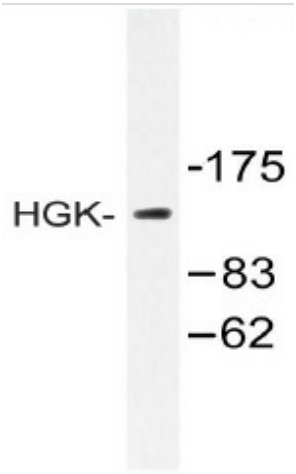
Background: Several mammalian kinases have been identified which exhibit sequence similarity to the Saccharomyces cerevisiae serine/threonine kinase STE20. STE20 is involved in relaying signals from G-protein coupled receptors to cytosolic MAP kinase cascades, and it lies upstream of a MAP kinase kinase kinase. Mammalian STE20-like kinases include NIK, KHS, GLK, YSK1, HPK1, Krs-1, Krs-2, and GC kinase. NIK (Nck interacting kinase), like many of the STE20-like kinases, has been shown to activate the SAPK/JNK stress response pathway. Both the kinase domain and the C-terminal regulatory domain of NIK are required for full activation. NIK interacts with MEKK1 and is thought to act upstream of MEKK1 in the SAPK/JNK signaling pathway.

Synonyms: MEKKK 4, MAPK/ERK kinase kinase kinase 4, NIK

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: MAPK signaling pathway

Product images:



Western blot (WB) analysis of HGK antibody (Cat.-No.: [AP20403PU-N]) in extracts from HUVEC cells.