

Product datasheet for **TA890021**

ASK1 (MAP3K5) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human MAP3K5
Formulation:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	1.18mg/ml
Purification:	Purified from the immunized serum by affinity chromatography (Protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	154.4 kDa
Gene Name:	mitogen-activated protein kinase kinase kinase 5
Database Link:	NP_005914 Entrez Gene 26408 MouseEntrez Gene 365057 RatEntrez Gene 4217 Human Q99683



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Background:

Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, *Drosophila*, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) *in vitro*, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells; MAPKKK5 does not activate MAPK/ERK. [provided by RefSeq, Jul 2008]

Synonyms:

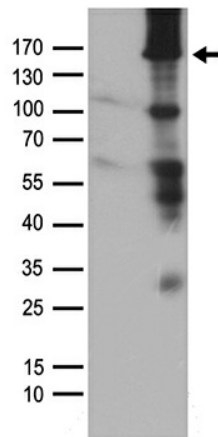
ASK1; MAPKKK5; MEKK5

Protein Families:

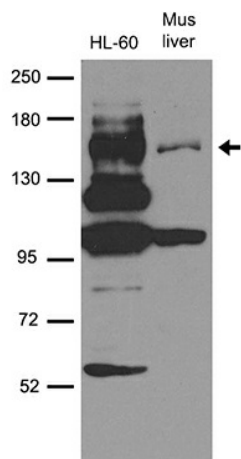
Druggable Genome, Protein Kinase

Protein Pathways:

Amyotrophic lateral sclerosis (ALS), MAPK signaling pathway, Neurotrophin signaling pathway

Product images:

HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MAP3K5 (Cat# [RC209913], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MAP3K5 antibody (Cat# TA890021). Positive lysates [LY401794] (100ug) and [LC401794] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from different cell lines or tissues by using anti-MAP3K5 rabbit polyclonal antibody (TA890021).