

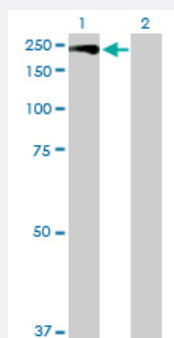
MaxPab®

MAP3K5 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004217-D01P

Size 100 ug

Applications

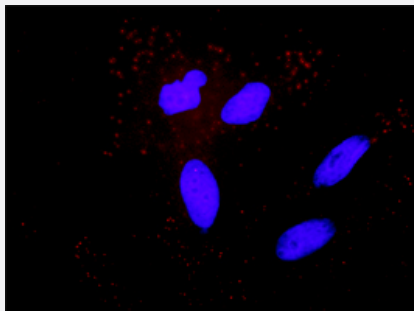


Western Blot (Transfected lysate)

Western Blot analysis of MAP3K5 expression in transfected 293T cell line ([H00004217-T01](#)) by MAP3K5 MaxPab polyclonal antibody.

Lane 1: MAP3K5 transfected lysate(154.50 KDa).

Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between MAP3K5 and APP. HeLa cells were stained with anti-MAP3K5 rabbit purified polyclonal 1:1200 and anti-APP mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human MAP3K5 protein.

Immunogen

MAP3K5 (NP_005914.1, 1 a.a. ~ 1374 a.a) full-length human protein.

Sequence

MSTEADGKITFSVPPFAPSGFCTIPEGGICRRGGAAVGEGEEHQLPPPPPGSFWNVESAAAPGI
GCPAATSSSSATRGRGSSVGGGSRRTTVAYVINEASQGQLVVAESEALQSLREACETVGATLET
LHFGKLDGFETTDLDRFYNADIADVEMSDAFRQPSLFYHLGVRESFSMANNIILYCDTNSDSLQSL
KEIICQKNTMCTGNYTFVPYMITPHNKVYCCDSSFMKGLTELMQPNFELLGPICLPLVDRFIQLLKV
AQASSSQYFRESILNDIRKARNLYTGKELAAELARIRQRVDNIEVLTADVINLLSYRDIQDYDSMKL
VETLEKLPTFDLASHHHVKFHYAFALNRRNLPGDRAKALDIMPMVQSEGQVASDMYCLVGRIYKD
MFLDSNFTDTESRDHGASWFKKAFESEPTLQSGINYAVLLLAAGHQFESSFELRKVGKLSLLG
KKGNEKLQSYWEVGFFLGASVLANDHMRVIQASEKLFKLKTPAWYLKSIVETILYKHFVKLTTEQ
PVAKQELVDFWMDFLVEATKTDVTVVRFPVLILEPTKIYQPSYLSINNEVEEKTISWHVLPDDKKGI
HEWNFSASSVRGVSISKFEERCCFLYVLHNSDDFQYFCTELHCKKFFEMVNTITEEKGRSTEEG
DCESDLLEYDYEYDENGDRVVLGKGTGYMAYAGRDLNQVRIAIKEIPERDSRYSQPLHEEIALHKH
LKHKNVQYLGFSFSENGFIKIFMEQVPGGSLSALLRSKWGPKLDNEQTIGFYTKQILEGLKYLHDNQI
VHRDIKGDNLINTYSGVLKISDFGTSKRLAGINPCTETFTGTQLQYMAPEIIDKGPRGYGKAADIWSL
GCTIEMATGKPPFYELGEPQAAMFKVGMFKVHPEIPESMSAEAKAFILKCFEPDPDKRACANDL
LVDEFLKVSSKKKTQPKLSALSAGSNEYLRSISLPVLPVLEDTSSESSEYGSVSPDTTELKVPFVS
FKTRAKSCGERDVKGIRTLFLGIPDENFEDHSAPPSPEEKDSGFFMLRKDSERRATLHRILTEDQ
DKIVRNLMESLAQGAEEPCLKWEHITTLIASLREFVRSTDRKIIATLSKLKLELDFDSHGSIQVQVV
LFGFQDAVNKVLNRHNKPHWMFALDSIRKAVQTATILVPELRPHFSLASESDTADQEDLDVEDD
HEEQPSNQTVRRPQAVIEDAVATSGVSTLSSTVSHDSQSAHRSNLVQLGRMKIETNRLLEELVRK
EKELQALLHRAIEEKDQEIHLKLKSQPIEIPELPVFHLNSSGTNTEDSELTDWLRVNGADEDTISR
FLAEDYTLDDVLYVTRDDLKCLRLRGGMLCTLWKAIDFRNKQT

Host Rabbit

Reactivity Human

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

- In situ* Proximity Ligation Assay (Cell)

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Gene Info — MAP3K5

Entrez GeneID [4217](#)

GeneBank Accession# [NM_005923.3](#)

Protein Accession# [NP_005914.1](#)

Gene Name MAP3K5

Gene Alias ASK1, MAPKKK5, MEKK5

Gene Description mitogen-activated protein kinase kinase kinase 5

Omim ID [602448](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations MAP/ERK kinase kinase 5|MAPK/ERK kinase kinase 5|OTTHUMP00000017275|apoptosis signal regulating kinase

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Lymphoma](#)
- [Tobacco Use Disorder](#)