

Product datasheet for **AP13892PU-N**

MAP3K12 (C-term) Rabbit Polyclonal Antibody

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | ELISA 1:1,000. Western blot 1:100 - 1:500. Immunohistochemistry 1:50 - 1:100. |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Isotype: | Ig |
| Clonality: | Polyclonal |
| Immunogen: | This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human ZPK. |
| Specificity: | This antibody detects MAP3K12 at C-term. |
| Formulation: | PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid Ig fraction |
| Concentration: | lot specific |
| Purification: | Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS. |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | mitogen-activated protein kinase kinase kinase 12 |
| Database Link: | Entrez Gene 7786 Human Q12852 |



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Background:

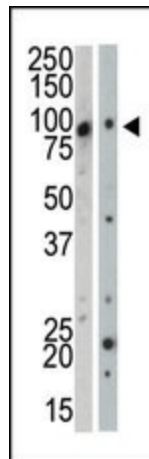
ZPK is a member of serine/threonine protein kinase family. This kinase contains a leucine-zipper domain, and is predominately expressed in neuronal cells. The phosphorylation state of this kinase in synaptic terminals was shown to be regulated by membrane depolarization via calcineurin. This kinase forms heterodimers with leucine zipper containing transcription factors, such as cAMP responsive element binding protein (CREB) and MYC, and thus may play a regulatory role in PKA or retinoic acid induced neuronal differentiation.

Synonyms:

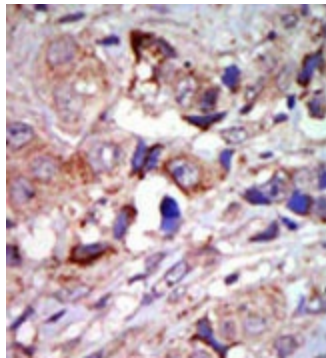
Mixed lineage kinase, MAPK-upstream kinase

Note:

Molecular weight: 93188 Da

Product images:

Western blot analysis of anti-ZPK C-term Pab in HL-60 cell lysate (lane A) and in mouse kidney tissue lysate (lane B). ZPK (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Formalin-fixed and paraffin-embedded human cancer tissue (breast carcinoma) reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.