

# MAP3K15 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12323c

## Product Information

---

<b>Application</b>	WB, IHC-P, FC, E
<b>Primary Accession</b>	<a href="#">Q6ZN16</a>
<b>Other Accession</b>	<a href="#">A2AQW0</a> , <a href="#">NP_001001671.3</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB31616
<b>Calculated MW</b>	147437
<b>Antigen Region</b>	315-342

## Additional Information

---

<b>Gene ID</b>	389840
<b>Other Names</b>	Mitogen-activated protein kinase kinase kinase 15, Apoptosis signal-regulating kinase 3, MAPK/ERK kinase kinase 15, MEK kinase 15, MEKK 15, MAP3K15, ASK3
<b>Target/Specificity</b>	This MAP3K15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 315-342 amino acids from the N-terminal region of human MAP3K15.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	MAP3K15 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	MAP3K15
<b>Synonyms</b>	ASK3

## Function

Serine/threonine kinase which acts as a component of the MAP kinase signal transduction pathway (PubMed:[20362554](#), PubMed:[26732173](#)). Once activated, acts as an upstream activator of the p38 MAPK signal transduction cascade through the phosphorylation and activation of several MAP kinase kinases (PubMed:[20362554](#), PubMed:[26732173](#)). May function in a signal transduction pathway that is activated by various cell stresses and leads to apoptosis (PubMed:[20362554](#)). Involved in phosphorylation of WNK4 in response to osmotic stress or hypotonic low- chloride stimulation via the p38 MAPK signal transduction cascade (PubMed:[26732173](#)).

## Tissue Location

Isoform 2 and isoform 3 are widely expressed. Isoform 2 highest levels are observed in fetal brain, and isoform 3 highest levels in pancreas, peripheral blood leukocytes, fetal brain and spleen.

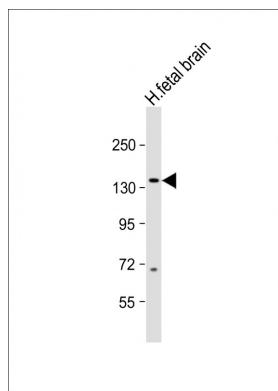
## Background

The protein encoded by this gene is a member of the mitogen-activated protein kinase (MAPK) family. These family members function in a protein kinase signal transduction cascade, where an activated MAPK kinase kinase (MAP3K) phosphorylates and activates a specific MAPK kinase (MAP2K), which then activates a specific MAPK. This MAP3K protein plays an essential role in apoptotic cell death triggered by cellular stresses. [provided by RefSeq].

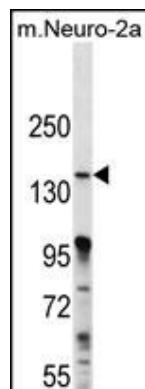
## References

Kaji, T., et al. Biochem. Biophys. Res. Commun. 395(2):213-218(2010)

## Images

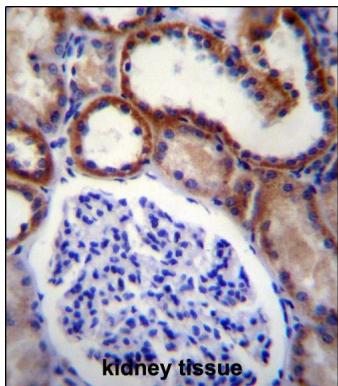


Anti-MAP3K15 Antibody (N-term) at 1:1000 dilution + human fetal brain lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 147 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

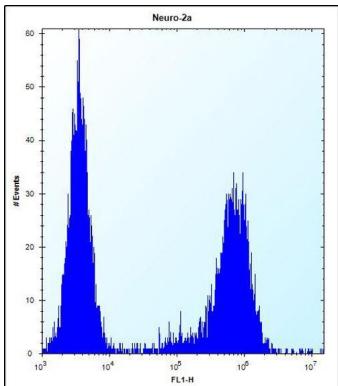


MAP3K15 Antibody (N-term) (Cat. #AP12323c) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane).This demonstrates the MAP3K15 antibody detected the MAP3K15 protein (arrow).

MAP3K15 Antibody (N-term) (Cat. #AP12323c)immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue



followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MAP3K15 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



MAP3K15 Antibody (N-term) (Cat. #AP12323c) flow cytometric analysis of Neuro-2a cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.