10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MAP3K15 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12323c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q6ZN16
Other Accession	A2AQW0, NP_001001671.3
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31616
Calculated MW	147437
Antigen Region	315-342

Additional Information

Gene ID	389840
Other Names	Mitogen-activated protein kinase kinase kinase 15, Apoptosis signal-regulating kinase 3, MAPK/ERK kinase kinase 15, MEK kinase 15, MEKK 15, MAP3K15, ASK3
Target/Specificity	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.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	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.
Storage	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.
Precautions	MAP3K15 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MAP3K15

Synonyms	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.

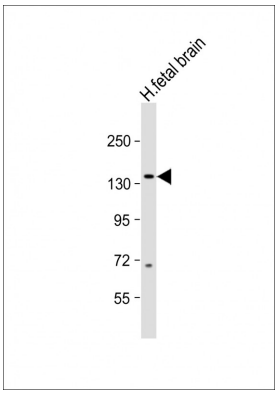
Background

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].

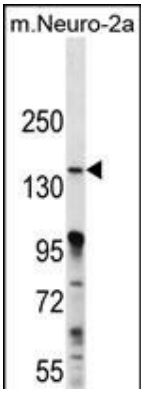
References

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

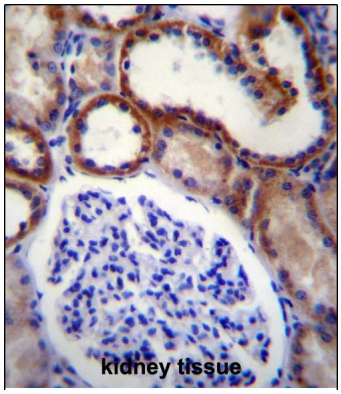
Images



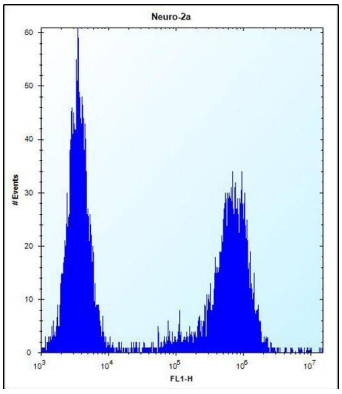
Anti-MAP3K15 Antibody (N-term) at 1:1000 dilution + human fetal brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 147 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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'.