

(DANRE) mapk12 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # Azb18716c

Product Information

Application	WB, E
Primary Accession	O42376
Reactivity	Zebrafish
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB47232
Calculated MW	41971

Additional Information

Other Names	Mitogen-activated protein kinase 12, MAP kinase 12, MAPK 12, Stress-activated protein kinase 3, mapk12, sapk3
Target/Specificity	This (DANRE) mapk12 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 319-353 amino acids of DANRE mapk12.
Dilution	WB~~1:1000 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	(DANRE) mapk12 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	mapk12
Synonyms	sapk3
Function	Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. MAPK12 is one of the four p38 MAPKs which play an important role in the cascades of cellular responses evoked by extracellular stimuli such as pro-inflammatory cytokines or physical stress leading to direct activation of transcription factors. Accordingly, p38 MAPKs

phosphorylate a broad range of proteins and it has been estimated that they may have approximately 200 to 300 substrates each. Some of the targets are downstream kinases such as MAPKAPK2, which are activated through phosphorylation and further phosphorylate additional targets (By similarity).

Cellular Location

Cytoplasm.

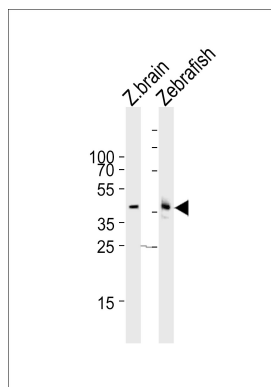
Background

Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. MAPK12 is one of the four p38 MAPKs which play an important role in the cascades of cellular responses evoked by extracellular stimuli such as proinflammatory cytokines or physical stress leading to direct activation of transcription factors. Accordingly, p38 MAPKs phosphorylate a broad range of proteins and it has been estimated that they may have approximately 200 to 300 substrates each. Some of the targets are downstream kinases such as MAPKAPK2, which are activated through phosphorylation and further phosphorylate additional targets (By similarity).

References

Goedert M.,et al.Submitted (OCT-1997) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of lysates from zebra fish brain, Zebrafish tissue lysate (from left to right), using (DANRE) mapk12 Antibody (C-term)(Cat. #Azb18716c). Azb18716c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

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