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

Mouse Csnk1g3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5007

Product Information

Application	FC, IHC-P, WB
Primary Accession	Q8C4X2
Other Accession	Q62763, NP_690022.2, XP_001478579.1
Reactivity	Mouse
Predicted	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48938
Isotype	Rabbit IgG
Antigen Source	MOUSE

Additional Information

Gene ID	70425
Antigen Region	333-361
Other Names	Csnk1g3; Casein kinase I isoform gamma-3
Dilution	FC~~1:25 IHC-P~~1:100~500 WB~~1:1000
Target/Specificity	This Mouse Csnk1g3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 333-361 amino acids from the C-terminal region of mouse Csnk1g3.
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	Mouse Csnk1g3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Csnk1g3
Function	Serine/threonine-protein kinase. Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. It

	can phosphorylate a large number of proteins. Participates in Wnt signaling (By similarity). Regulates fast synaptic transmission mediated by glutamate.
Cellular Location	Cytoplasm.
Tissue Location	Expressed in both the striatum and the neocortex.

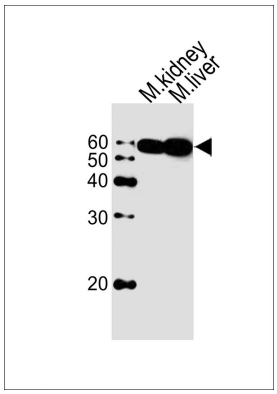
Background

Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. It can phosphorylate a large number of proteins. Participates in Wnt signaling (By similarity).

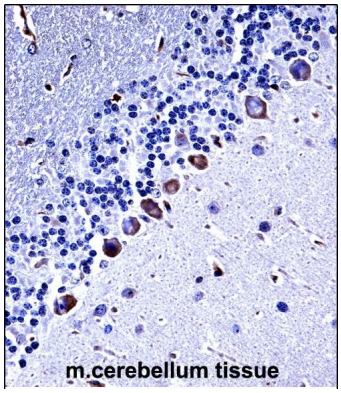
References

Trivedi, C.M., et al. Dev. Cell 19(3):450-459(2010)
Piao, Y., et al. Genome Res. 11(9):1553-1558(2001)
Verlaet, M., et al. Biochem. Biophys. Res. Commun. 283(1):12-18(2001)

Images

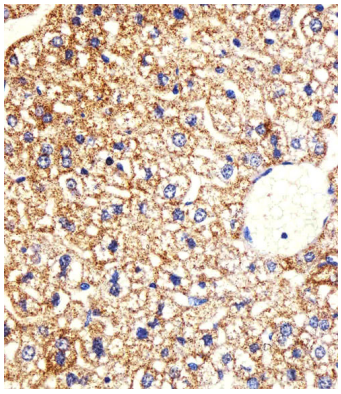


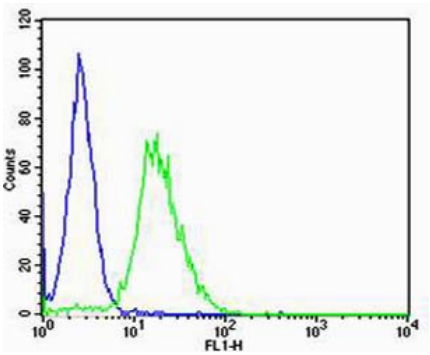
Western blot analysis of lysates from mouse kidney and liver tissue lysate (from left to right), using Mouse Csnk1g3 Antibody (C-term)(Cat. #AW5007). AW5007 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.



Mouse Csnk1g3 Antibody (C-term) (AW5007)immunohistochemistry analysis in formalin fixed and paraffin embedded mouse cerebellum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of Mouse Csnk1g3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Immunohistochemical analysis of paraffin-embedded M. liver section using Mouse Csnk1g3 Antibody (C-term)(Cat#AW5007). AW5007 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.





Flow cytometric analysis of NIH/3T3 cells using Mouse Csnk1g3 Antibody (C-term)(green, Cat#AW5007) compared to an isotype control of rabbit IgG(blue). AW5007 was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody.

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