

For Research Use Only

CNKSR2 Polyclonal antibody, PBS Only

Catalog Number: 24054-1-PBS



Basic Information

Catalog Number: 24054-1-PBS	GenBank Accession Number: BC126121	Purification Method: Antigen Affinity purified
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 22866	
Source: Rabbit	UNIPROT ID: Q8WXI2	
Isotype: IgG	Full Name: connector enhancer of kinase suppressor of Ras 2	
Immunogen Catalog Number: AG21183	Calculated MW: 1034 aa, 118 kDa	
	Observed MW: 110 kDa, 130 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

The Connector Enhancer of Kinase Suppressor of Ras-2 (CNKSR2), also known as CNK2 or MAGUIN, KIAA0902 and KSR2, is a scaffolding molecule that contains functional protein binding domains (PMID: 35053419). CNKSR2 interacts with different molecules, including RAF1, ARHGAP39, and CYTH2, and regulates the Mitogen-Activated Protein Kinase (MAPK) cascade and small GTPase signaling (PMID: 35053419). The study identify a molecular complex comprising CNKSR2 and the guanine nucleotide exchange factor (GEF) for ARF small GTPases, CYTH2, that is necessary for the proper development of granule neurons in the mouse hippocampus (PMID: 34800437). CNKSR2 plays a key role in regulating cell proliferation, and differentiation through multiple receptor tyrosine kinase pathways (PMID: 35053419). The molecular weight of CNKSR2 is mainly 117 kDa (PMID: 29534682). It has also been reported that CNKSR2 immunoblotted signal of about 110 kDa was detected, while a 130 kDa signal was detected (PMID: 34800437).

Storage

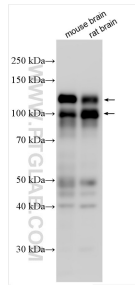
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

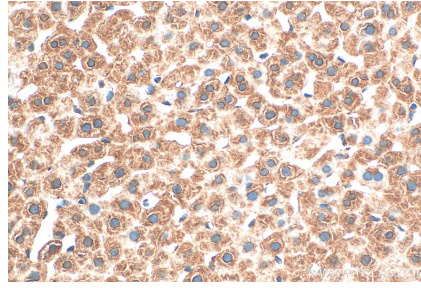
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24054-1-AP (CNKSR2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 24054-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 24054-1-AP (CNKSR2 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 24054-1-PBS in a different storage buffer formulation.