

For Research Use Only

CNKSR2 Polyclonal antibody

Catalog Number: 24054-1-AP



Basic Information

Catalog Number:

24054-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21183

GenBank Accession Number:

BC126121

GeneID (NCBI):

22866

UNIPROT ID:

Q8WXI2

Full Name:

connector enhancer of kinase suppressor of Ras 2

Calculated MW:

1034 aa, 118 kDa

Observed MW:

110 kDa, 130 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

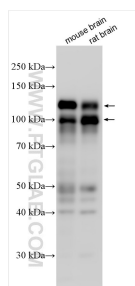
For technical support and original validation data for this product please contact:

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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.