

For Research Use Only

# FAM69C Polyclonal antibody

Catalog Number:32720-1-AP



## Basic Information

Catalog Number:

32720-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG37611

GenBank Accession Number:

NM\_001044369

GeneID (NCBI):

125704

UNIPROT ID:

Q0P6D2

Full Name:

chromosome 18 open reading frame

51

Calculated MW:

46 kDa

Observed MW:

46 kDa, 55 kDa, 32 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB: mouse brain tissue, mouse retina tissue, rat brain tissue

## Background Information

FAM69C is a kinase critically involved in neurodegenerative dementia. Biochemical analyses uncover that FAM69C is a serine/threonine kinase. Phosphoproteomic characterizations reveal that FAM69C substrates are involved in synaptic structure and function. Reduced levels of FAM69C are found in postmortem brains of Alzheimer's disease patients. FAM69C is a protective regulator of memory and a potential therapeutic target for memory loss in neurodegenerative dementia (PMID: 35858575). FAM69C undergoes glycosylation modification, and a 55 kDa band was observed in the literature (PMID: 35858575). The mouse FAM69C has two isoforms, and the predicted molecular weight is 46 kDa and 30 kDa.

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

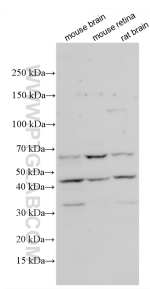
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32720-1-AP (DIPK1C antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.