

For Research Use Only

# CPLX3 Polyclonal antibody

Catalog Number: 16949-1-AP

2 Publications



## Basic Information

Catalog Number:

16949-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10571

GenBank Accession Number:

BC018026

GeneID (NCBI):

594855

UNIPROT ID:

Q8WVH0

Full Name:

complexin 3

Calculated MW:

158 aa, 18 kDa

Observed MW:

20-23 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB : mouse brain tissue, human brain tissue

IP : mouse brain tissue,

## Background Information

CPLX3, also named as Complexin-3, is 158 amino acid protein, which belongs to the complexin/synaphin family. CPLX3 localizes in the membrane and binds to the SNARE core complex containing SNAP25, VAMP2 and STX1A. CPLX3 positively regulates a late step in synaptic vesicle exocytosis.

## Notable Publications

Author	Pubmed ID	Journal	Application
María Pedraza	24778253	Proc Natl Acad Sci U S A	IHC
Wang Ziying Z	23982049	Free Radic Biol Med	WB

## 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

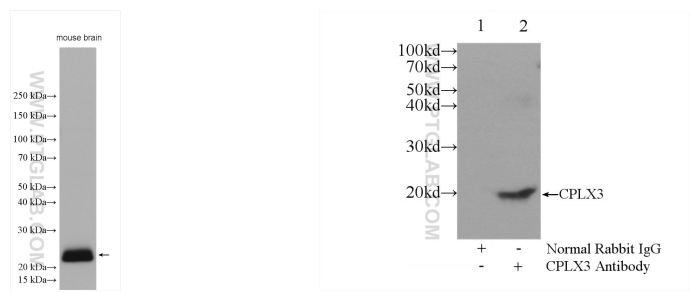
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## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 16949-1-AP (CPLX3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

IP result of anti-CPLX3 (IP:16949-1-AP, 3ug; Detection:16949-1-AP 1:300) with mouse brain tissue lysate 6000ug.