

For Research Use Only

CPNE4 Polyclonal antibody

Catalog Number: 16075-1-AP



Basic Information

Catalog Number: 16075-1-AP	GenBank Accession Number: BC014396	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 131034	Recommended Dilutions: WB 1:500-1:3000 IF 1:200-1:800
Source: Rabbit	Full Name: copine IV	
Isotype: IgG	Calculated MW: 557 aa, 62 kDa	
Immunogen Catalog Number: AG9037	Observed MW: 62 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse brain tissue, rat brain tissue IF : A549 cells,

Background Information

Copines are a family of evolutionarily conserved calcium-dependent phospholipid-binding proteins (PMID: 9430674). They contain two Ca(2+)- and phospholipid-binding domains known as C2 domains. Copines are potentially involved in regulating membrane trafficking and in protein-protein interactions. CPNE4 (Copine 4) belongs to the copine family. This antibody is specific to CPNE4.

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

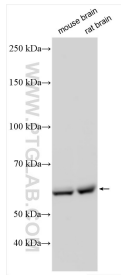
For technical support and original validation data for this product please contact:

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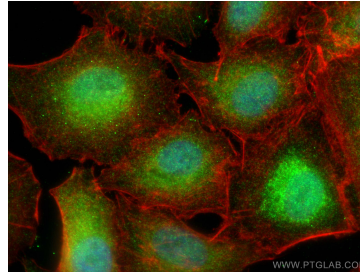
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16075-1-AP (CPNE4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using CPNE4 antibody (16075-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).