

For Research Use Only

# calcyphosine Monoclonal antibody

Catalog Number: 68225-1-Ig



## Basic Information

Catalog Number:

68225-1-Ig

Size:

150ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG10330

GenBank Accession Number:

BC080599

GeneID (NCBI):

828

UNIPROT ID:

Q13938

Full Name:

calcyphosine

Calculated MW:

189 aa, 21 kDa

Observed MW:

21 kDa

Purification Method:

Protein G purification

CloneNo.:

2B7D1

Recommended Dilutions:

WB 1:2000-1:10000

IF/ICC 1:400-1:1600

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

Human, pig, rabbit

Positive Controls:

WB : SK-BR-3 cells, pig lung tissue, rabbit lung tissue, U-251 cells, PC-3 cells

IF/ICC : U-251 cells,

## Background Information

calcyphosine is a calcium-binding protein, which may play a role in the regulation of ion transport. Calcyphosine (CAPS) was initially identified in the canine thyroid but has also been detected in humans and other mammals. CAPS synthesis is increased by thyroid-stimulating hormone and cAMP analogs that promote cell proliferation and maintain cell differentiation. Recently, CAPS was found to be involved in many kinds of tumor.

## 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

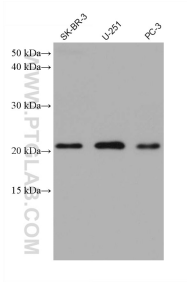
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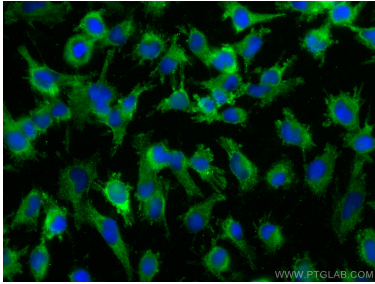
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68225-1-Ig (CAPS antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using calcyphosine antibody (68225-1-Ig, Clone: 2B7D1 ) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).