

For Research Use Only

# calcyphosine Monoclonal antibody

Catalog Number: 68225-1-Ig



## Basic Information

<b>Catalog Number:</b> 68225-1-Ig	<b>GenBank Accession Number:</b> BC080599	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 828	<b>CloneNo.:</b> 2B7D1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13938	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG1	<b>Full Name:</b> calcyphosine	
<b>Immunogen Catalog Number:</b> AG10330	<b>Calculated MW:</b> 189 aa, 21 kDa	
	<b>Observed MW:</b> 21 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, pig, rabbit	<b>WB :</b> SK-BR-3 cells, pig lung tissue, rabbit lung tissue, U-251 cells, PC-3 cells
	<b>IF/ICC :</b> 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

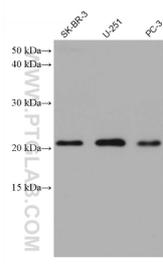
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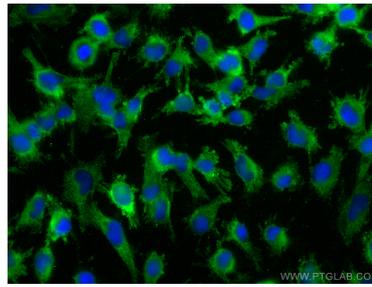
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## Selected Validation Data



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 calyphosine antibody (68225-1-Ig, Clone: 2B7D1) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).