

For Research Use Only

# CoraLite® Plus 488-conjugated DVL1 Monoclonal antibody

Catalog Number: CL488-67672



## Basic Information

### Catalog Number:

CL488-67672

### Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

### Source:

Mouse

### Isotype:

IgG1

### Immunogen Catalog Number:

AG26083

### GenBank Accession Number:

BC050454

### GeneID (NCBI):

1855

### UNIPROT ID:

O14640

### Full Name:

dishevelled, dsh homolog 1 (Drosophila)

### Calculated MW:

75 kDa

### Observed MW:

70-75 kDa

### Purification Method:

Protein G purification

### CloneNo.:

1A2A5

### Recommended Dilutions:

IF/ICC 1:50-1:500

### Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

### Tested Applications:

IF/ICC, FC (Intra)

### Species Specificity:

human, mouse, rat

### Positive Controls:

IF/ICC : MCF-7 cells,

## Background Information

DVL1 is one of three DVL homologous proteins (DVL1-3) widely expressed in embryonic development and in the adult central nervous system. Dishevelled proteins are a necessary component of the Wnt and planar cell polarity developmental signaling pathways. Overexpression of DVL1 has been linked to prostate and breast cancers through the Wnt signaling pathway. There are two isoforms of DVL1: 75 kDa and 73 kDa.

## Storage

### Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

### Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

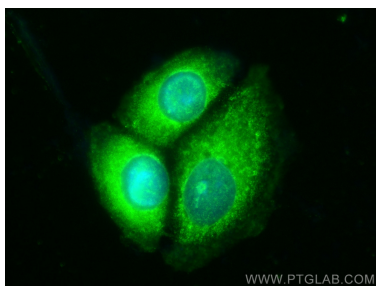
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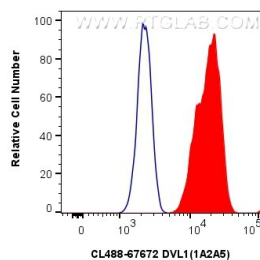
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using CoraLite® Plus 488 DVL1 antibody (CL488-67672, Clone: 1A2A5 ) at dilution of 1:200.



1x10<sup>6</sup> U2OS cells were intracellularly stained with 0.4 ug CoraLite® Plus 488-conjugated DVL1 Monoclonal antibody (CL488-67672, Clone:1A2A5) (red), or 0.4 ug CoraLite® Plus 488 Mouse IgG1 Isotype Control (1F8D3) (CL488-66360-1, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).