

# CACNA2D1 antibody [20A]

**Cat. No. GTX22864**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Applications</b>	WB, ICC/IF, IHC-P, IHC-Fr, FCM
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Guinea pig, Pig, Fish

References ( 1 )

Package

100 µl

## Applications

### Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500
ICC/IF	1:250
IHC-P	1:500
IHC-Fr	1:500
FCM	1:100-1:200

Not tested in other applications.

**Calculated MW** 125 kDa. ( [Note](#) )

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	Ascites
<b>Preservative</b>	0.05% Sodium azide
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Immunogen</b>	Purified rabbit dihydropyridine receptor.
<b>Purification</b>	Unpurified
<b>Conjugation</b>	Unconjugated

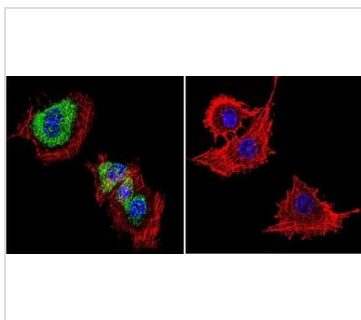
### Note

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**DATA IMAGES**

**GTX22864 ICC/IF Image**

ICC/IF analysis of PC-12 cells using GTX22864 CACNA2D1 antibody [20A]. Cells were probed without (right) or with (left) an antibody.

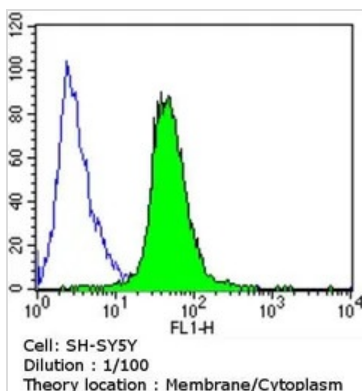
Green : Primary antibody

Blue : Nuclei

Red : Actin

Fixation : formaldehyde

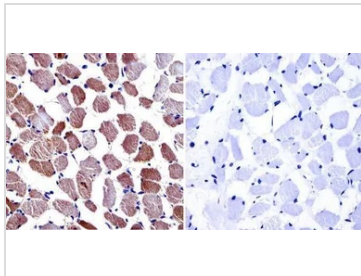
Dilution : 1:20 overnight at 4°C


**GTX22864 FCM Image**

FACS analysis of SH-SY5Y cells using GTX22864 CACNA2D1 antibody [20A] compared to an isotype control (blue).

Dilution : 1:100 for 60 min at room temperature

Fixation : 2% paraformaldehyde


**GTX22864 IHC-P Image**

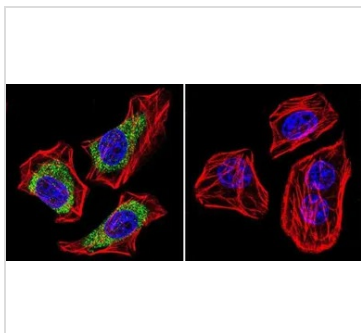
IHC-P analysis of human skeletal muscle tissue using GTX22864 CACNA2D1 antibody [20A].

Left : Primary antibody

Right : Negative control without primary antibody

Antigen retrieval : heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes

Dilution : 1:100


**GTX22864 ICC/IF Image**

ICC/IF analysis of U251 cells using GTX22864 CACNA2D1 antibody [20A]. Cells were probed without (right) or with (left) an antibody.

Green : Primary antibody

Blue : Nuclei

Red : Actin

Fixation : formaldehyde

Dilution : 1:100 overnight at 4 °C



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