

## CaV1.3 Antibody (R31742)

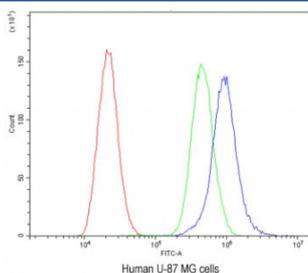
Catalog No.	Formulation	Size
R31742	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>Gene ID</b>	776
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/10 <sup>6</sup> cells
<b>Limitations</b>	This CaV1.3 antibody is available for research use only.



Western blot testing of CaV1.3 antibody and Lane 1: rat brain; 2: mouse brain lysate.  
Predicted molecular weight: ~245 kDa.



Flow cytometry testing of human U-87 MG cells with CaV1.3 antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CaV1.3 antibody.

## Description

CACNA1D is also known as PASNA, SANDD or Cav1.3. Voltage-dependent calcium channels mediate the entry of calcium ions into excitable cells, and are also involved in a variety of calcium-dependent processes, including muscle contraction, hormone or neurotransmitter release, and gene expression. Calcium channels are multisubunit complexes composed of alpha-1, beta, alpha-2/delta, and gamma subunits. The channel activity is directed by the pore-forming alpha-1 subunit, whereas the others act as auxiliary subunits regulating this activity. The distinctive properties of the calcium channel types are related primarily to the expression of a variety of alpha-1 isoforms, namely alpha-1A, B, C, D, E, and S. This gene encodes the alpha-1D subunit. Several transcript variants encoding different isoforms have been found for this gene.

## Application Notes

Variations in secondary/substrate sensitivities and test protocols may require the CaV1.3 antibody to be titrated for optimal performance.

## Immunogen

Human partial recombinant protein (AA 1-180) was used as the immunogen for this CaV1.3 antibody.

## Storage

After reconstitution, the CaV1.3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.