10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

CaVα2δ3 Polyclonal Antibody
Catalog # AP63667

Specification

CaVα2δ3 Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	Q8IZS8
Reactivity	**Human, Rat, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**

CaVα2δ3 Polyclonal Antibody - Additional Information

Gene ID 55799

Other Names
Voltage-dependent calcium channel subunit alpha-2/delta-3 (Voltage-gated calcium channel subunit alpha-2/delta-3) [Cleaved into: Voltage-dependent calcium channel subunit alpha-2-3; Voltage-dependent calcium channel subunit delta-3]

Dilution
WB~~WB 1:1000-2000

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

CaVα2δ3 Polyclonal Antibody - Protein Information

Name CACNA2D3

Function
The alpha-2/delta subunit of voltage-dependent calcium channels regulates calcium current density and activation/inactivation kinetics of the calcium channel. Acts as a regulatory subunit for P/Q- type calcium channel (CACNA1A), N-type (CACNA1B), L-type (CACNA1C OR CACNA1D) but not T-type (CACNA1G) (By similarity).

Cellular Location
Membrane; Single-pass type I membrane protein

Tissue Location
Only detected in brain. Not present in lung, testis, aorta, spleen, jejunum, ventricular muscle and kidney (at protein level). According to PubMed:11687876, it is brain-specific, while according to PubMed:11245980, it is widely expressed

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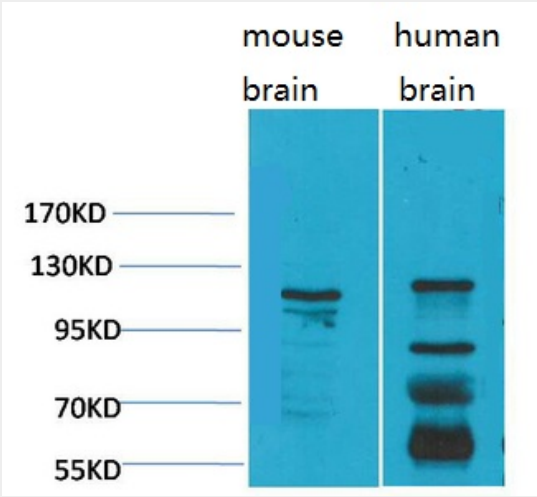
CaVα2δ3 Polyclonal Antibody - Protocols

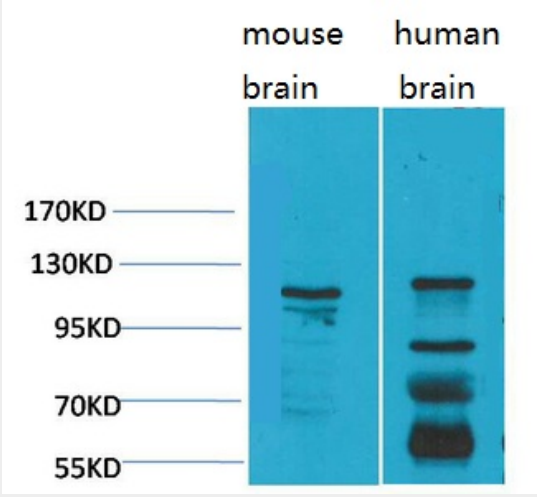
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CaVα2δ3 Polyclonal Antibody - Images



Western blot analysis of 1) Mouse Brain Tissue, 2)Human Brain Tissue, with CaVα2δ3 Rabbit pAb diluted at 1:2,000.



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CaVα2δ3 Polyclonal Antibody - Background

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density and activation/inactivation kinetics of the calcium channel. Acts as a regulatory subunit for P/Q-type calcium channel (CACNA1A), N-type (CACNA1B), L-type (CACNA1C OR CACNA1D) but not T-type (CACNA1G) (By similarity).