

CaV α 2 δ 1 Polyclonal Antibody
Catalog # AP63628**Specification**

CaV α 2 δ 1 Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P54289
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal

CaV α 2 δ 1 Polyclonal Antibody - Additional Information**Gene ID** 781**Other Names**

Voltage-dependent calcium channel subunit alpha-2/delta-1 (Voltage-gated calcium channel subunit alpha-2/delta-1) [Cleaved into: Voltage-dependent calcium channel subunit alpha-2-1; Voltage-dependent calcium channel subunit delta-1]

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
IHC-P~~N/A

Format

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

Storage Conditions

-20°C

CaV α 2 δ 1 Polyclonal Antibody - Protein Information**Name** CACNA2D1**Synonyms** CACNL2A, CCHL2A, MHS3**Function**

The alpha-2/delta subunit of voltage-dependent calcium channels regulates calcium current density and activation/inactivation kinetics of the calcium channel (PubMed:35293990). Plays an important role in excitation-contraction coupling (By similarity).

Cellular Location

Membrane; Single-pass type I membrane protein. Cell membrane

Tissue Location

Isoform 1 is expressed in skeletal muscle. Isoform 2 is expressed in the central nervous system.

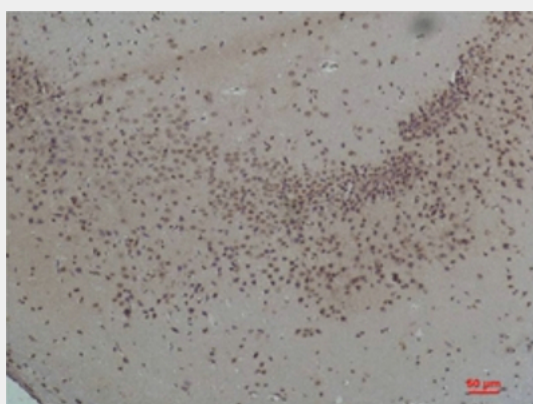
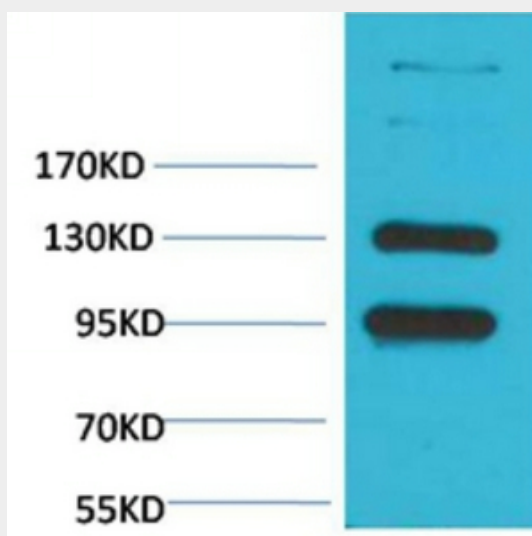
Isoform 2, isoform 4 and isoform 5 are expressed in neuroblastoma cells. Isoform 3, isoform 4 and isoform 5 are expressed in the aorta.

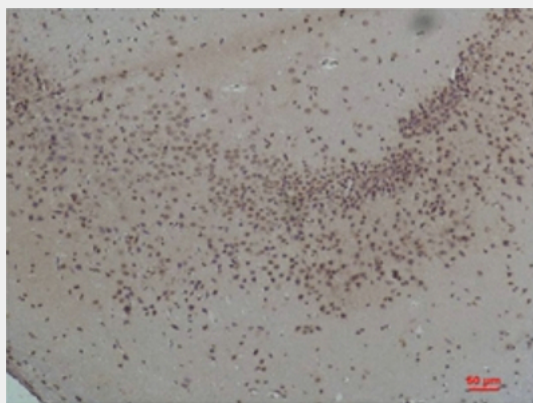
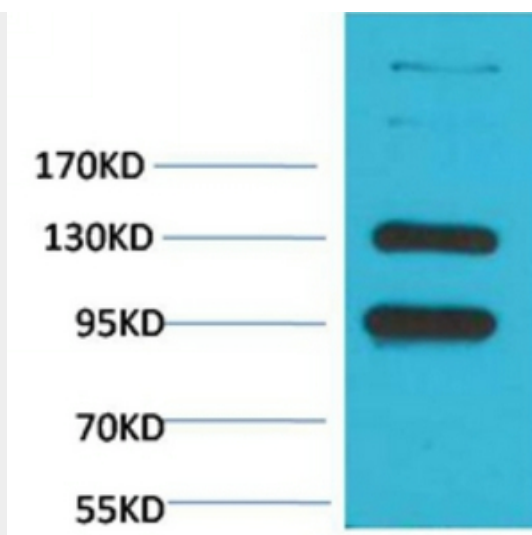
CaV α 261 Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CaV α 261 Polyclonal Antibody - Images





CaVα261 Polyclonal Antibody - Background

The alpha-2/delta subunit of voltage-dependent calcium channels regulates calcium current density and activation/inactivation kinetics of the calcium channel. Plays an important role in excitation-contraction coupling (By similarity).