



Cav1.3 Polyclonal Antibody

Cat #: ABP57306

Size: 30µl /100µl /200µl

Product Information

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| | Product Name: Cav1.3 Polyclonal Antibody | | |
| | Applications: IHC-P | | Isotype: Rabbit IgG |
| | Reactivity: Human, Mouse, Rat | | |
| REF | Catalog Number: ABP57306 | LOT | Lot Number: Refer to product label |
| | Formulation: Liquid | | Concentration: 1 mg/ml |
|  | Storage: Store at -20°C. Avoid repeated freeze / thaw cycles. |  | Note: Contain sodium azide. |

Background: 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. CACNA1D (calcium voltage-gated channel subunit alpha1 D) encodes the alpha-1D subunit. Several transcript variants encoding different isoforms have been found for CACNA1D.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: IHC-P (1:100-1:200).

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

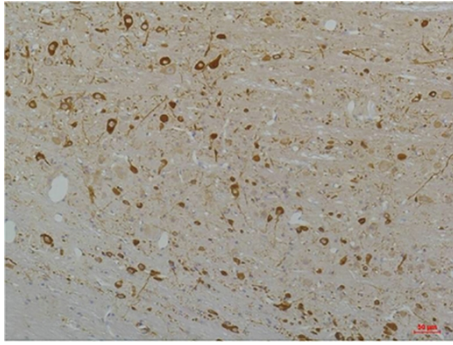


Fig.1. Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using Cav1.3Rabbit pAb diluted at 1:200.

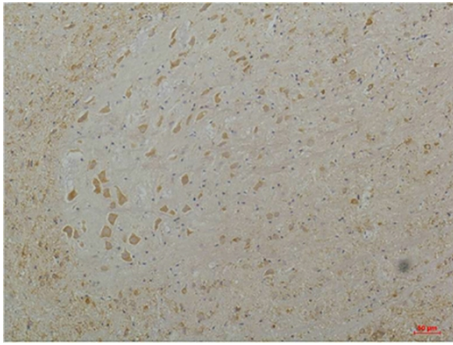


Fig.2. Immunohistochemical analysis of paraffin-embedded Mouse Brain Tissue using Cav1.3Rabbit pAb diluted at 1:200.

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