

## Goat anti-CACNA2D1 Antibody

Item Number	dAP-1109
Target Molecule	Principle Name: CACNA2D1; Official Symbol: CACNA2D1; All Names and Symbols: CACNA2D1; calcium channel, voltage-dependent, alpha 2/delta subunit 1; CACNA2; CACNL2A; CCHL2A; MHS3; H_DJ0560O14.1; WUGSC:H_DJ0560O14.1; calcium channel, L type, alpha 2 polypeptide; dihydropyridine-sensitive L-type, calcium channel alpha-2/delta subunit; Accession Number (s): NP_000713.2; Human Gene ID(s): 781; Non-Human GeneID(s): 12293 (mouse) 25399 (rat)
Immunogen	QEIFNKYNKDKKVR, is from internal region
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	Western Blot: Approx 140kDa band observed in Human Brain (Cerebellum) lysates (calculated MW of 123kDa according to NP_000713.2). Recommended concentration: 0.03-0.1µg/ml. Customer found it not suitable on Mouse and Rat protein.
IHC	
Reference	Reference(s): Hullin R, Matthes J, von Vietinghoff S, Bodi I, Rubio M, D'Souza K, Friedrich Khan I, Rottlander D, Hoppe UC, Mohacs P, Schmitteckert E, Gilsbach R, Bunemann M, Hein L, Schwartz A, Herzog S. Increased Expression of the Auxiliary beta(2)-subunit of Ventricular L-type Ca Channels Leads to

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**