For research purposes only, not for human use

Product Data Sheet

Anti-CACNA2D1 Antibody

Catalog #	Source	Reactivity	Applications
CPA9252	Rabbit	R	WB, IH

Description	Rabbit polyclonal antibody to CACNA2D1
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence of rat CACNA2D1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of CACNA2D1 protein.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/1000 - 1/2000), IH (1/50 - 1/200)
Gene Symbol	CACNA2D1
Alternative Names	CACNL2A; CCHL2A; MHS3; Voltage-dependent calcium channel subunit alpha-2/delta-1; Voltage-gated calcium channel subunit alpha-2/delta-1
Entrez Gene	
SwissProt	P54290 (Rat)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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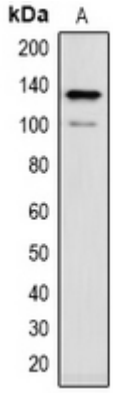
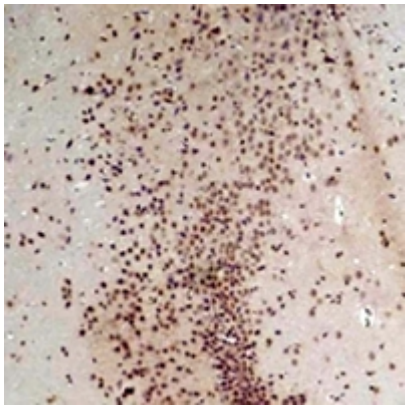


Western blot analysis of CACNA2D1 expression in rat brain (A) whole cell lysates. (Predicted band size: 123 kD; Observed band size: 100-130 kD)



Immunohistochemical analysis of CACNA2D1 staining in rat brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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