

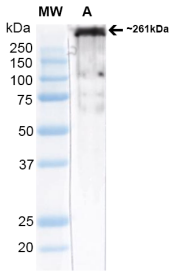
## Anti-CACNA1H Antibody [N55/10] (A304750)

### Specifications:

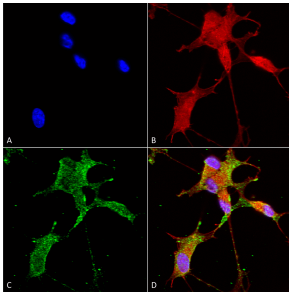
Name:	Anti-CACNA1H Antibody [N55/10]
Description:	Mouse monoclonal [N55/10] antibody to CACNA1H.
Applications:	WB, IHC, ICC/IF, IP, Antibody Microarray
Recommended Dilutions:	WB: 1:1,000, IHC: 1:1,000, ICC/IF: 1:100
Reactivity:	Human, Mouse, Rat
Cross Reactivity:	This antibody does not cross-react with Cav1.3.
Immunogen:	Fusion protein amino acids 1019-1293 (II-III loop) of human Cav3.2.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	N55/10
Isotype:	IgG1
Conjugate:	Unconjugated
Purification:	Protein G purification.
Concentration:	1 mg/ml
Molecular Weight:	~260 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline, pH 7.4, with 50% Glycerol and 0.09% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This antibody was formerly sold under the Clone ID S55-10.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

## Anti-CACNA1H Antibody [N55/10] (A304750)

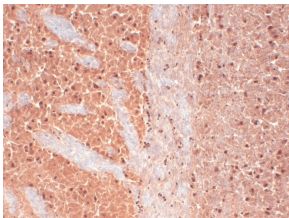
### Images:



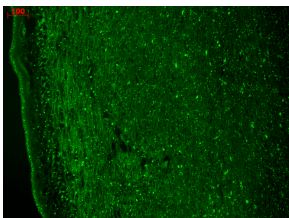
Western blot analysis of rat brain membrane lysate (native) showing detection of ~261 kDa Cav3.2 protein using Anti-CACNA1H Antibody [N55/10] (A304750) at 1:1,000 for 2 hours at room temperature. Block: 2% Skim Milk + 2% BSA in TBST. The secondary antibody used was Anti-Mouse: HRP at 1:4000. Predicted/Observed Size: ~261 kDa.



Immunocytochemistry/Immunofluorescence analysis of human neuroblastoma cells (SH-SY5Y), fixed in 4% PFA for 15 min, using Anti-CACNA1H Antibody [N55/10] (A304750), at 1:50 for overnight at 4°C with slow rocking. The secondary antibody used was AlexaFluor 488 at 1:1,000 for 1 hour at room temperature. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 minutes at room temperature. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) Cav3.2 Antibody (D) Composite.



Immunohistochemistry analysis of human frozen brain section, fixed in 10% formalin solution for 12-24 hours at room temperature. The Primary Antibody used was Anti-CACNA1H Antibody [N55/10] (A304750) at 1:1,000 for 1 hour at room temperature. The secondary antibody used was HRP/DAB Detection System: Biotinylated Goat Anti-Mouse, Streptavidin Peroxidase, DAB Chromogen (brown) for 30 minutes at room temperature. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 250-500 µl for 5 minutes at room temperature.



Immunohistochemistry analysis of human hippocampus, fixed in Bouin's fixative solution and paraffin-embedded. The Primary Antibody used was Anti-CACNA1H Antibody [N55/10] (A304750) at 1:1,000 for 1 hour at room temperature. The secondary antibody used was FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at room temperature.