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# anti-CACNA1I antibody (AA 755-804)





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#### Overview

Quantity:	50 μg
Target:	CACNA1I
Binding Specificity:	AA 755-804
Reactivity:	Human, Rat, Mouse, Guinea Pig, Horse, Cow, Dog, Bat, Chicken, Pig
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffinembedded Sections) (IHC (p))

#### **Product Details**

Brand:	IHC-plus™
Immunogen:	Synthetic peptide located between aa755-804 of human CACNA1I (Q9P0X4, NP_001003406).  Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Galago,  Mouse, Rat, Elephant, Panda, Dog, Bovine, Bat, Horse, Pig, Opossum, Guinea pig, Turkey, Zebrafinch, Chicken, Lizard (100%), Marmoset, Xenopus (92%), Rabbit, Platypus, Zebrafish (91%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human CACNA1I / Cav3.3
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Mouse, Rat, Dog, Bovine, Horse, Pig, Guinea pig, Chicken (100%) Zebrafish (85%).
Purification:	Immunoaffinity purified

#### **Target Details**

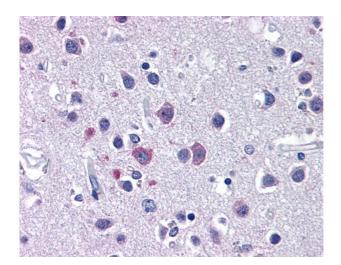
Target:	CACNA1I
Alternative Name:	CACNA1I / Cav3.3 (CACNA1I Products)
Background:	Name/Gene ID: CACNA1I Subfamily: Calcium channel - alpha subunit Cav3 Family: Ion Channel
	Synonyms: CACNA1I, Alpha 1i, KIAA1120, Ca(v)3.3, Cav3.3
Gene ID:	Synonyms: CACNA1I, Alpha 1i, KIAA1120, Ca(v)3.3, Cav3.3 8911
Gene ID:  NCBI Accession:	

### Application Details

Application Notes:	Approved: IHC, IHC-P (5 μg/mL), WB (0.2 - 1 μg/mL)
	Usage: Western Blot: Suggested dilution at 1 $\mu$ g/mL in 5 % skim milk / PBS buffer, and HRP conjugated anti-Rabbit IgG should be diluted in 1: 50,000 - 100,000 as secondary antibody.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

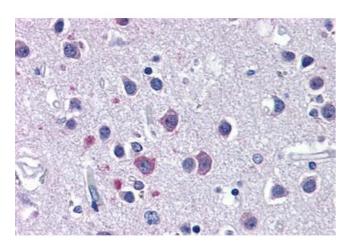
# Handling

Format:	Lyophilized
Reconstitution:	Distilled water
Concentration:	Lot specific
Buffer:	Lyophilized from PBS with 2 % sucrose
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year)
	Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.



#### **Immunohistochemistry**

**Image 1.** Anti-CACNA1I / Cav3.3 antibody IHC of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of this ...



# Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

**Image 2.** Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)