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# anti-CACNA1E antibody (AA 1265-1360) (AbBy Fluor® 594)



Go to Product page

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Quantity:	100 μL
Target:	CACNA1E
Binding Specificity:	AA 1265-1360
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1E antibody is conjugated to AbBy Fluor® 594
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

#### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human Cav23
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Pig,Horse,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

## Target Details

Target:	CACNA1E
Alternative Name:	CACH6/Cav2.3 (CACNA1E Products)

## **Target Details**

Background:	Synonyms: BII, Brain calcium channel II, CAC 1E, CAC1E, CACH 6, CACH6, CACNA1E, Cacnl1 a6,		
	CACNL1A6, Calcium channel, L type, alpha 1 polypeptide, isoform 6, calcium channel, R type,		
	Cav 2.3, Cchra 1, Cchra1, Voltage dependent R type calcium channel subunit alpha 1E, Voltage		
	gated calcium channel subunit alpha Cav2.3.		
	Background: Calcium channels mediate the influx of calcium ions into the cell following		
	membrane polarisation. R-type calcium channels such as Cav2.3 belong to the "high voltage-		
	activated" group and are blocked by nickel. The calcium channel consists of a complex of		
	alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. Each of these proteins		
	exists as multiple isoforms, either encoded by different genes or arising from alternative		
	splicing of transcripts. Cav2.3 is an alpha-1 subunit and has 24 transmembrane segments,		
	which form the pore through which ions pass into the cell. Calcium channels containing the		
	Cav2.3 subunit may be involved in the modulation of firing patterns of neurons, which is		
	important for information processing.		
Gene ID:	777		
Pathways:	Carbohydrate Homeostasis		
Application Details			
Application Notes:	IF(IHC-P) 1:50-200		
	IF(IHC-F) 1:50-200		
	IF(ICC) 1:50-200		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Concentration:	1 μg/μL		
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and		
	50 % Glycerol.		
Preservative:	ProClin		
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be		
	handled by trained staff only.		
Storage:	-20 °C		
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.		

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Expiry Date:

12 months