



Anti-CACNA1A polyclonal antibody (DPAB-DC1191)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	voltage-gated calcium channel that may be involved in secretion coupling in pancreatic beta cells [RGD, Feb 2006]
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to rat Cacna1a.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Rat
Conjugate	Unconjugated
Applications	WB,
Format	Liquid
Size	100 µg
Buffer	In PBS (0.08% sodium azide)
Preservative	0.08% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	Cacna1a calcium channel, voltage-dependent, P/Q type, alpha 1A subunit [Rattus norvegicus (Norway rat)]
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Official Symbol	CACNA1A
Synonyms	CACNA1A; calcium channel, voltage-dependent, P/Q type, alpha 1A subunit; BccA1; rbA-1; Cav2.1; voltage-dependent P/Q-type calcium channel subunit alpha-1A; BI; RBA-I; brain class A; brain calcium channel 1; brain calcium channel I; calcium channel alpha 1A; voltage-gated calcium channel subunit alpha Cav2.1; calcium channel, voltage-dependent, alpha 1A subunit; calcium channel, L type, alpha-1 polypeptide, isoform 4;
Entrez Gene ID	25398
Protein Refseq	NP_037050
UniProt ID	O70368
Chromosome Location	19q11
Pathway	Calcium Regulation in the Cardiac Cell; Calcium signaling pathway; Dopaminergic synapse; GABAergic synapse
Function	calmodulin binding; high voltage-gated calcium channel activity; metal ion binding; protein binding