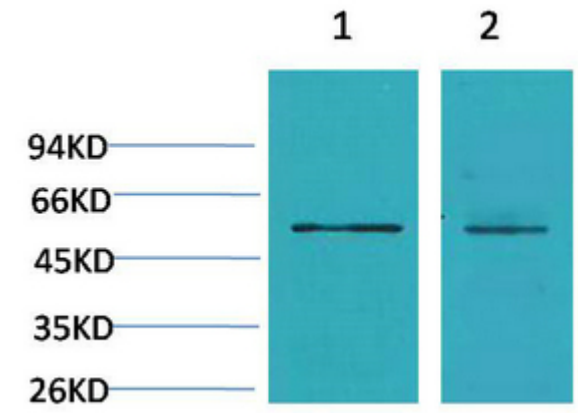
CACNB3 Polyclonal Antibody

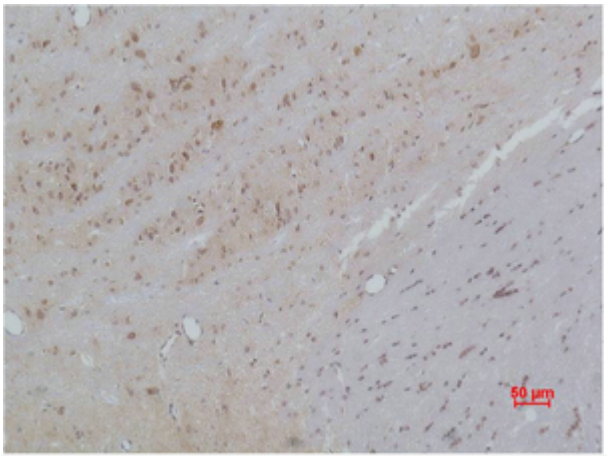
Catalog No	YP-Ab-16331
Isotype	IgG
Reactivity	Mouse;Rat
Applications	WB;IHC;IF
Gene Name	CACNB3
Protein Name	Voltage-dependent L-type calcium channel subunit beta-3
Immunogen	Synthetic Peptide of CACNB3
Specificity	The antibody detects endogenous CACNB3 protein.
Formulation	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1:500-1000 IHC: 1:200-500. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CACNB3; CACNLB3; Voltage-dependent L-type calcium channel subunit beta-3; CAB3; Calcium channel voltage-dependent subunit beta 3
Observed Band	50kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Expressed mostly in brain, colon and ovary.
Function	function:The beta subunit of voltage-dependent calcium channels contributes to the function of the calcium channel by increasing peak calcium current, shifting the voltage dependencies of activation and inactivation, modulating G protein inhibition and controlling the alpha-1 subunit membrane targeting.,similarity:Belongs to the calcium channel beta subunit family.,similarity:Contains 1 SH3 domain.,subunit:The L-type calcium channel is composed of four subunits: alpha-1, alpha-2, beta and gamma. Interacts with CACNA2D4.,tissue specificity:Expressed mostly in brain, smooth muscle and ovary.,
Background	This gene encodes a regulatory beta subunit of the voltage-dependent calcium channel. Beta subunits are composed of five domains, which contribute to the regulation of surface expression and gating of calcium channels and may also play a role in the regulation of transcription factors and calcium transport. [provided by RefSeq, Oct 2011],

matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of 1) Mouse Brain Tissue, 2) Rat Brain Tissue using CACNB3 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using CACNB3 Polyclonal Antibody.