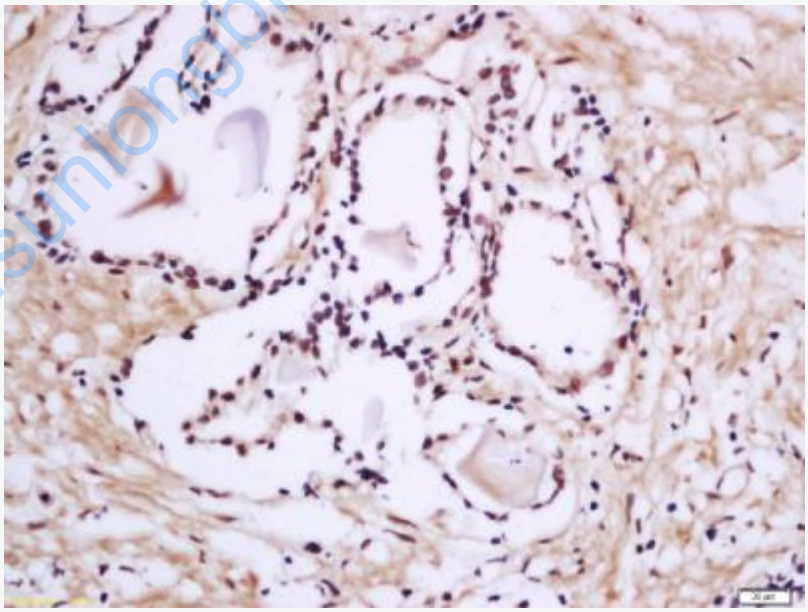
SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

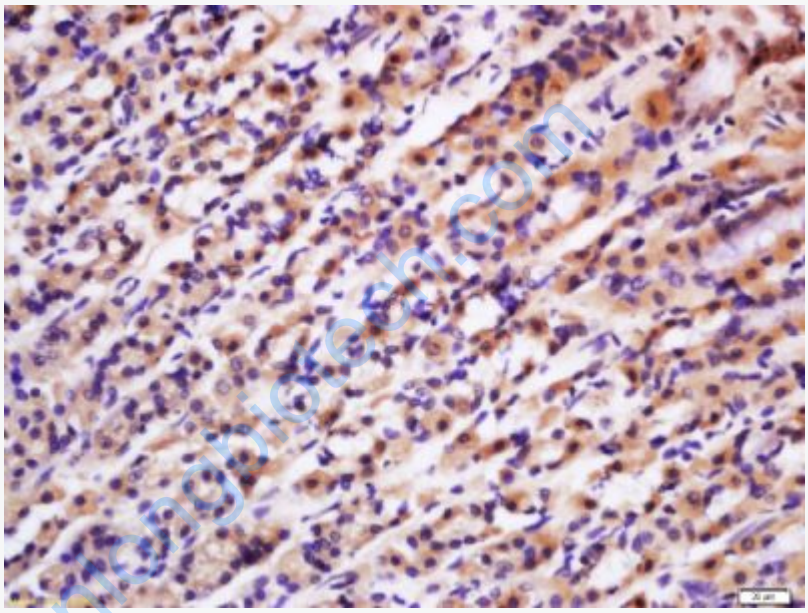
Rabbit Anti-phospho-PRKCB (Thr642) antibody

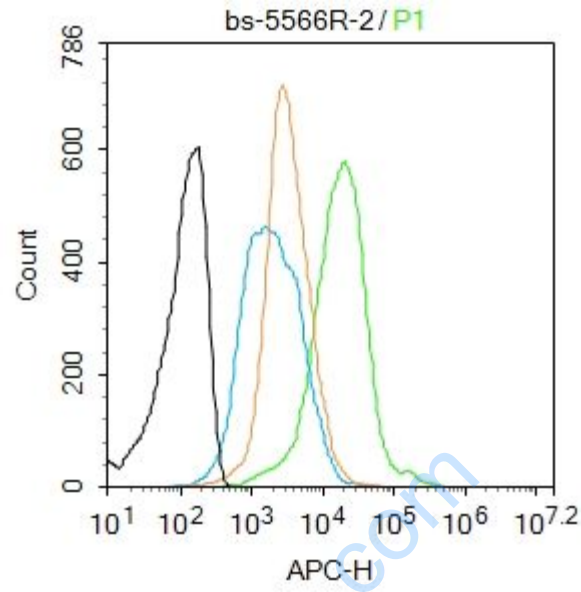
SL5566R

Product Name:	phospho-PRKCB (Thr642)
Chinese Name:	磷酸化蛋白激酶C抗体
Alias:	PRKCB(phospho T642); rotein Kinase C; AAG6; Aging associated gene 6; MGC129900; MGC129901; MGC41878; MGC57564; PKC B; PKC beta; PKC zeta; PKC2; PKCB; PKCC; PKCD; PKCE; PKCG; PRKACA; PRKC A; PRKC G; PRKCA; PRKCB; PRKCB1; PRKCB2; PRKCD; PRKCE; PRKCG; PRKCZ ; Protein kinase C alpha; Protein kinase C alpha type; Protein Kinase C; Protein kinase C beta 1; Protein kinase C beta 1 polypeptide; Protein kinase C beta; Protein kinase C beta type; Protein kinase C delta; Protein kinase C epsilon; Protein kinase C gamma; Protein kinase C gamma type; Protein kinase C zeta; SCA14; Spinocerebellar ataxia 14.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=2ug/TestIF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	74kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human PRKCZ around the phosphorylation site of Ser642:EL(p-T)PT
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of

	antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. The protein encoded by this gene is one of the PKC family members. This protein kinase has been reported to be involved in many different cellular functions, such as B cell activation, apoptosis induction, endothelial cell proliferation, and intestinal sugar absorption. Studies in mice also suggest that this kinase may also regulate neuronal functions and correlate fear-induced conflict behavior after stress. Alternatively spliced transcript variants encoding distinct isoforms have been reported. **Subunit:** Interacts with PDK1. Interacts in vitro with PRKCBP1. Interacts with PHLPP1 and PHLPP2; both proteins mediate its dephosphorylation. Interacts with KDM1A/LSD1, PKN1 and ANDR. **Subcellular Location:** Cytoplasm. Nucleus. Membrane; Peripheral membrane protein. **Similarity:** Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. PKC subfamily. Contains 1 AGC-kinase C-terminal domain. Contains 1 C2 domain. Contains 2 phorbol-ester/DAG-type zinc fingers. Contains 1 protein kinase domain. **SWISS:** P05771 **Gene ID:** 5579 **Database links:** Entrez Gene: 5579 Human Entrez Gene: 18751 Mouse Entrez Gene: 25023 Rat Omim: 176970 Human

	SwissProt: P05771 Human SwissProt: P68404 Mouse SwissProt: P68403 Rat Unigene: 460355 Human Unigene: 207496 Mouse Unigene: 446371 Mouse Unigene: 91118 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Tissue/cell: human prostate tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer

	(normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-phospho-PRKCB (Ser642) Polyclonal Antibody, Unconjugated(SL5566R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining
	 Tissue/cell: rat stomach tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-phospho-PRKCB (Ser642) Polyclonal Antibody, Unconjugated(SL5566R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control:Mouse spleen.

Primary Antibody (green line): Rabbit Anti-phospho-PRKCB(Thr642) antibody (SL5566R)

Dilution: 2μg /10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-AF647

Dilution: 1μg /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at-20℃. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.