bs-5585R **[Primary Antibody]**

phospho-PRKCQ (Thr538) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5588 **SWISS:** Q04759

Target: PRKCQ (Thr538)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human PRKCQ around the phosphorylation site of Thr538: TN(p-T)FC.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the 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. The protein encoded by this gene is one of the PKC family members. It is a calcium-independent and phospholipid-dependent protein kinase. This kinase is important for T-cell activation. It is required for the activation of the transcription factors NF-kappaB and AP-1, and may link the T cell receptor (TCR) signaling complex to the activation of the transcription factors. [provided by RefSeq, Jul 2008]

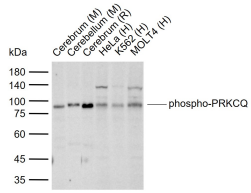
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse, Rat (predicted: Dog)

Predicted MW.: 82 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Cerebellum tissue lysates Lane 3: Rat Cerebrum tissue lysates Lane 4: Human HeLa cell lysates Lane 5: Human K562 cell lysates Lane 6: Human MOLT4 cell lysates Primary: Anti-phospho-PRKCQ (Thr538) (bs-5585R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 82 kDa Observed band size: 82 kDa

SELECTED CITATIONS

- **[IF=5.9]** van Rees, Geertje Frederique, et al. "Evidence of microglial activation following exposure to serum from first-onset drug-naïve schizophrenia patients." Brain, Behavior, and Immunity (2017). ICC ;="Human". 28988033