+1.781.569.5821 [INTERNATIONAL]

## bs-9921R-FITC

## - Rabbit Anti-CAMK2D/ CaMKI I delta Polyclonal Antibody, FITC conjugated

Conjugated Primary Antibodies

## Background:

The Ca2+/calmodulin-dependent protein kinases (CaM kinases) comprise a structurally related subfamily of serine/threonine kinases which include CaMKI, CaMKII and CaMKIV. CaMKII is a ubiquitously expressed serine/threonine protein kinase that is activated by Ca2+and calmodulin (CaM) and has been implicated in regulation of the cell cycle and transcription. There are four CaMKII isozymes designated $\mathrm{a}, \int$, © and $\partial$, which may or may not be co-expressed in the same tissue type. CaMKIV is stimulated by Ca2+ and CaM but phosphorylation by a CaMK is also required for full activation. Stimulation of the T cell receptor CD3 signaling complex with an anti-CD3 monoclonal antibody leads to a 10-40 fold increase in CaMKIV activity. An additional kinase, CaMKK, functions to activate CaMKI through the specific phosphorylation of the regulatory threonine residue at position 177.
Purification: Was purified by Protein A and peptide affinity chromatography.

## Storage:

Prepared as lyophilized powder or liquid and shipped on ice. Store at $-20^{\circ} \mathrm{C}$ for one year. Protect from light.

## Reconstitution:

If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.

Size: 100ul or 100ug lyophilized

Concentration: lug/uL
Host: Rabbit
Reactivities: Mouse,Rat,Pig,Cow,

## Application:

- IF(1:50-200)
- Not yet tested in other applications. Optimal working dilutions must be determined by the end user.

Antibody Type: Polyclonal
I sotype: IgG
Molecular Weight: 56kDa
Preservatives:
10ug/uL BSA and 0.1\% NaN3.

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.

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[^0]:    For full size images and description please click HERE.

