bs-8587R

[Primary Antibody]

DOK5 Rabbit pAb

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— DATASHEET —

Host: Rabbit   **Isotype:** IgG

Clonality: Polyclonal

GeneID: 55816

Target: DOK5

Immunogen: KLH conjugated synthetic peptide derived from human DOK5/IRS6: 21-120/306.

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℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.

Background: The downstream of kinase family (Dok-1-7) are members of a class of "docking" proteins that include the tyrosine kinase substrates IRS-1 and Cas, which contain multiple tyrosine residues and putative SH2 binding sites. Dok-4 and Dok-5 are more similar to each other than to the other Dok family members, and may constitute a subfamily of the DOK genes. Dok-5 is a tyrosine kinase substrate that enhances c-Ret-dependent activation of mitogen-activated protein kinase (MAPK). Dok-5 transcript is abundant in muscle and increases during T cell activation. Dok-5 protein undergoes tyrosine phosphorylation in response to Insulin and Insulin-like growth factor-1. The gene encoding human Dok-5 maps to chromosomal location 20q13.2.

Applications: **Flow-Cyt** (5μg/Test)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse)

Predicted MW.: 34 kDa

— VALIDATION IMAGES —
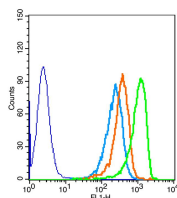
The blue histogram is unstained cells(HepG 2). The Wathet Blue histogram is cells stained with secondary antibody alone.The Orange histogram is cells stained with rabbit IgG isotype control antibody plus secondary antibody. The green histogram is cells stained with Rabbit Anti-DOK5 antibody (bs-8587R) plus secondary antibody.5μg in 100μL 1 X PBS containing 0.5% BSA.

— SELECTED CITATIONS —

- **[IF=2.03]** Pan, Yanfang, et al. "Dok5 is involved in the signaling pathway of neurotrophin-3 against TrkC-induced apoptosis." Neuroscience Letters (2013). IF ;="Mouse". 23954828