bs-4194R **[Primary Antibody]**

CD167b/DDR2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4921 **SWISS:** Q16832

Target: CD167b/DDR2

Immunogen: KLH conjugated synthetic peptide derived from human CD167b: 245-350/855. < Extracellular >

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: Receptor tyrosine kinases (RTKs) play a key role in the communication of cells with their microenvironment. These molecules are involved in the regulation of cell growth, differentiation, and metabolism. In several cases the biochemical mechanism by which RTKs transduce signals across the membrane has been shown to be ligand induced receptor oligomerization and subsequent intracellular phosphorylation. This autophosphorylation leads to phosphorylation of cytosolic targets as well as association with other molecules, which are involved in pleiotropic effects of signal transduction. RTKs have a tripartite structure with extracellular, transmembrane, and cytoplasmic regions. This gene encodes a member of a novel subclass of RTKs and contains a distinct extracellular region encompassing a factor VIII-like domain. Alternative splicing in the 5' UTR results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008].

Applications: **WB** (1:500-2000)
ELISA (1:5000-10000)

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

Predicted MW.: 92 kDa

Subcellular Location: Cell membrane

SELECTED CITATIONS

- **[IF=5.01]** Wang, Li-Ping, et al. "Angiotensin II upregulates K Ca 3.1 channels and stimulates cell proliferation in rat cardiac fibroblasts." Biochemical pharmacology 85.10 (2013): 1486-1494. Other ;="Rat". 23500546
- **[IF=3.32]** Zhu, Xiao, Delbert G. Gillespie, and Edwin K. Jackson. "NPY1–36 and PYY1–36 activate cardiac fibroblasts: an effect enhanced by genetic hypertension and inhibition of dipeptidyl peptidase 4." American Journal of Physiology-Heart and Circulatory Physiology 309.9 (2015): H1528-H1542. ICC ;="Rat". 26371160