bs-3204R **[Primary Antibody]**

phospho-IRS1 (Tyr895) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3667 **SWISS:** P35568

Target: IRS1 (Tyr895)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human IRS1 around the phosphorylation site of Tyr895: GE(p-Y)VN.

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: Insulin receptor substrates (IRS) are responsible for several insulin related activities, such as glucose homeostasis, cell growth, cell transformation, apoptosis and insulin signal transduction. Serine/threonine phosphorylation of IRS1 has been demonstrated to be a negative regulator of insulin signaling and is responsible for its degradation, although IRS1 degradation pathways are not well understood. IRS1 has also been shown to be constitutively activated in cancers such as breast cancer, Wilm's tumors, and adrenal cortical carcinomas, thus making IRS1 phosphorylation and subsequent degradation an attractive therapeutic target. To date there have been four subtypes identified: IRS1, 2, 3 and 4, with IRS1 being widely expressed.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ELISA (1:5000-10000)

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

Predicted MW.: 132 kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

SELECTED CITATIONS

- **[IF=18.962]** Xue Li. et al. Dual regulation on oxidative stress and endoplasmic reticulum stress by [70] fullerenes for reversing insulin resistance in diabetes. NANO TODAY. 2022 Aug;45:101541 WB ;Mouse, Human. 10.1016/j.nantod.2022.101541
- **[IF=2.4]** Shuting Zhuang. et al.Electroacupuncture alleviates insulin resistance and impacts the hypothalamic IRS-1/PI3K/AKT pathway and miRNA-29a-3p in a rat model of type 2 diabetes..Acupuncture in Medicine.2025 Apr;43(2):104-113. Western blot ;Rat. 40116412