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phospho-IRS-2 (Ser731) Rabbit pAb

Catalog Number:	bs-10998R
Target Protein:	phospho-IRS-2 (Ser731)
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ELISA (1:5000-10000)
Reactivity:	Human (predicted:Mouse, Rat, Dog, Horse)
Predicted MW:	147 kDa
Entrez Gene:	8660
Swiss Prot:	Q9Y4H2
Source:	KLH conjugated Synthesised phosphopeptide derived from human IRS-2 around the phosphorylation site of Ser731: AS(p-S)PA.
Purification:	affinity purified by Protein A
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 family of insulin receptor substrates (IRSs) has been reported to play important roles for signal transduction of various hormones. Four members of the IRS family have been described. Each IRS is believed to have different functions; however, the distinct physiological roles of each IRS are unclear. Summary: This gene encodes the insulin receptor substrate 2, a cytoplasmic signaling molecule that mediates effects of insulin, insulin-like growth factor 1, and other cytokines by acting as a molecular adaptor between diverse receptor tyrosine kinases and downstream effectors. The product of this gene is phosphorylated by the insulin receptor tyrosine kinase upon receptor stimulation, as well as by an interleukin 4 receptor-associated kinase in response to IL4 treatment.

PRODUCT SPECIFIC PUBLICATIONS

[IF=6.8] Ranran Sun. et al. Azadirachtin exposure inhibit ovary development of Spodoptera litura (Lepidoptera: Noctuidae) by altering lipids metabolism event and inhibiting insulin signaling pathways. ECOTOX ENVIRON SAFE. 2023 Sep;262:115151 WB ; Spodoptera litura . 37356396

[IF=2.868] Liu B et al. MicroRNA‐379 mediates pigmentation, migration, and proliferation of melanocytes by targeting the insulin‐like

growth factor 1 receptor. Exp Dermatol. 2020 May;29(5):467-476. WB ; alpaca . 32170969