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Anti-IRS-1 Rabbit mAb [23D04]

Catalog No.: A52195

Basic Information

Catalog No. (Cat.No.)	A52195
Host species	Rabbit
Reactivity	Human,Mouse,Rat,Pig
Applications	WB,IHC,IP,IF,ELISA
Synonyms	IRS-1,CAIR-1

Product Information

Target	IRS-1
Molecular Weight(Calculated)	131 kDa
Molecular Weight(Observed)	180 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	23D04
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:2000-1:10000
IHC	1:400-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Insulin receptor substrate-1
Gene Name	*IRS1*
Domain	NA
Background	IRS-1 (Insulin receptor substrate-1) is a cytoplasmic adaptor of IRS protein family. It transduces downstream signals from insulin and IGF-1 receptors. Receptor-triggered tyrosine phosphorylation of IRS-1 recruits effectors including PI3K and initiates PI3K-AKT cascade to regulate glucose metabolism, cell proliferation and survival. Serine phosphorylation promotes IRS-1 turnover and signal desensitization, strongly linked to insulin resistance. Dysregulated IRS-1 signaling underlies metabolic disorders and tumor progression.