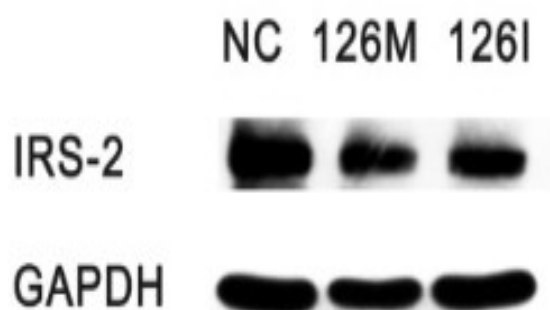


## IRS2 Polyclonal Antibody

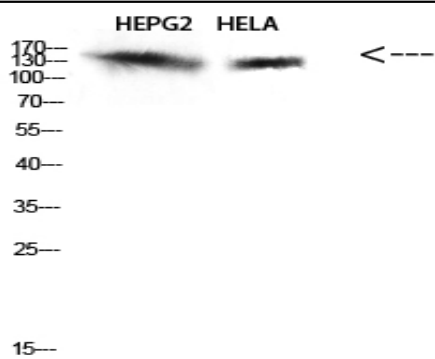
<b>Catalog No :</b>	YT5836
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	IRS2
<b>Fields :</b>	>>cGMP-PKG signaling pathway;>>FoxO signaling pathway;>>Autophagy - animal;>>AMPK signaling pathway;>>Longevity regulating pathway;>>Longevity regulating pathway - multiple species;>>Insulin signaling pathway;>>Adipocytokine signaling pathway;>>Regulation of lipolysis in adipocytes;>>Type II diabetes mellitus;>>Insulin resistance;>>Non-alcoholic fatty liver disease;>>Growth hormone synthesis, secretion and action;>>Alzheimer disease;>>MicroRNAs in cancer
<b>Gene Name :</b>	IRS2
<b>Protein Name :</b>	insulin receptor substrate 2
<b>Human Gene Id :</b>	8660
<b>Human Swiss Prot No :</b>	Q9Y4H2
<b>Mouse Gene Id :</b>	384783
<b>Mouse Swiss Prot No :</b>	P81122
<b>Immunogen :</b>	Synthetic peptide from human protein at AA range: 660-700
<b>Specificity :</b>	The antibody detects endogenous IRS2 protein
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000, ELISA 1:10000-20000

<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	170kD
<b>Cell Pathway :</b>	Neurotrophin;Insulin_Receptor;Adipocytokine;Type II diabetes mellitus;Aldosterone-regulated sodium reabsorption;
<b>Background :</b>	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. [provided by RefSeq, Jul 2008],
<b>Function :</b>	function:May mediate the control of various cellular processes by insulin.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 IRS-type PTB domain.,similarity:Contains 1 PH domain.,
<b>Subcellular Location :</b>	Cytoplasm, cytosol .
<b>Expression :</b>	Blood,Epithelium,Platelet,

## Products Images



Tao, Hong, et al. "MiR-126 suppresses the glucose-stimulated proliferation via IRS-2 in INS-1 β cells." PloS one 11.2 (2016): e0149954.



Western Blot analysis of HEPG2, HELA cells using Antibody diluted at 500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000