

**FRS2 (phospho Tyr436) Polyclonal Antibody**

<b>Catalog No :</b>	YP0805
<b>Reactivity :</b>	Human;Mouse;Monkey
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	FRS2
<b>Fields :</b>	>>Thermogenesis;>>Neurotrophin signaling pathway;>>Proteoglycans in cancer
<b>Gene Name :</b>	FRS2
<b>Protein Name :</b>	Fibroblast growth factor receptor substrate 2
<b>Human Gene Id :</b>	10818
<b>Human Swiss Prot No :</b>	Q8WU20
<b>Mouse Gene Id :</b>	327826
<b>Mouse Swiss Prot No :</b>	Q8C180
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human FRS2 around the phosphorylation site of Tyr436. AA range:402-451
<b>Specificity :</b>	Phospho-FRS2 (Y436) Polyclonal Antibody detects endogenous levels of FRS2 protein only when phosphorylated at Y436.
<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 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

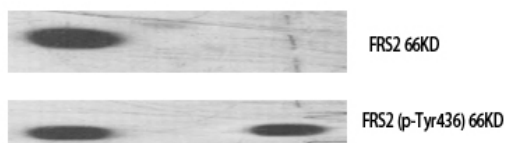
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<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	65kD
<b>Cell Pathway :</b>	Neurotrophin;
<b>Background :</b>	<p>function:Adapter protein that links FGR and NGF receptors to downstream signaling pathways. Involved in the activation of MAP kinases. Modulates signaling via SHC1 by competing for a common binding site on NTRK1.,PTM:Phosphorylated on tyrosine residues upon stimulation by NGF.,PTM:Ubiquitinated when tyrosine phosphorylated and in a complex with GRB2. The unphosphorylated form is not subject to ubiquitination.,sequence caution:Translated as stop.,similarity:Contains 1 IRS-type PTB domain.,subcellular location:Cytoplasmic, membrane-bound.,subunit:Part of a complex containing FRS2, GRB2 and SOS1. Part of a complex containing GRB2 and CBL. Binds RET (By similarity). Binds FGFR1, SUC1, NTRK1, NTRK2, NTRK3 and SRC. The tyrosine-phosphorylated protein binds the SH2 domains of GRB2 and PTPN11.,tissue specificity:Highly expressed in heart, brain, spleen, lung, liver, skeletal muscle, kidney and testis.,</p>
<b>Function :</b>	<p>function:Adapter protein that links FGR and NGF receptors to downstream signaling pathways. Involved in the activation of MAP kinases. Modulates signaling via SHC1 by competing for a common binding site on NTRK1.,PTM:Phosphorylated on tyrosine residues upon stimulation by NGF.,PTM:Ubiquitinated when tyrosine phosphorylated and in a complex with GRB2. The unphosphorylated form is not subject to ubiquitination.,sequence caution:Translated as stop.,similarity:Contains 1 IRS-type PTB domain.,subcellular location:Cytoplasmic, membrane-bound.,subunit:Part of a complex containing FRS2, GRB2 and SOS1. Part of a complex containing GRB2 and CBL. Binds RET (By similarity). Binds FGFR1, SUC1, NTRK1, NTRK2, NTRK3 and SRC. The tyrosine-phosphorylated protein binds the SH2 domains of GRB2 and PTPN11.,tissue specificity:Highly expressed in heart, brain, spleen, lung, liver, skeletal muscle, kidney and t</p>
<b>Subcellular Location :</b>	Endomembrane system. Cytoplasmic, membrane-bound.
<b>Expression :</b>	Highly expressed in heart, brain, spleen, lung, liver, skeletal muscle, kidney and testis.

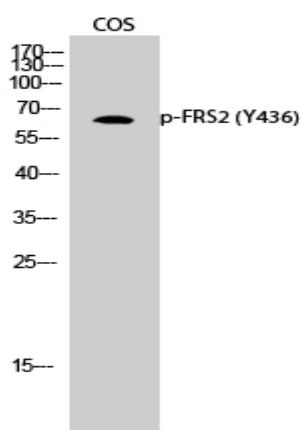
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## Products Images

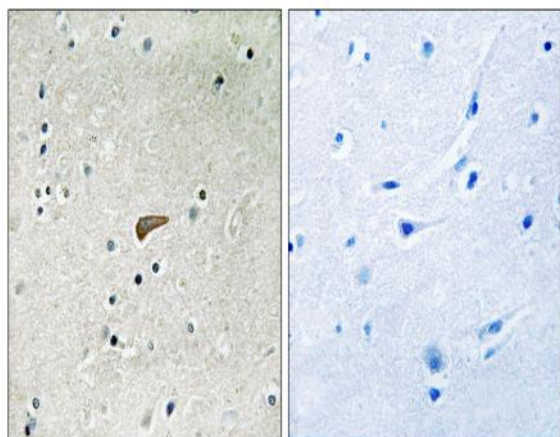
Western Blot analysis of various cells using Phospho-FRS2 (Y436) Polyclonal Antibody



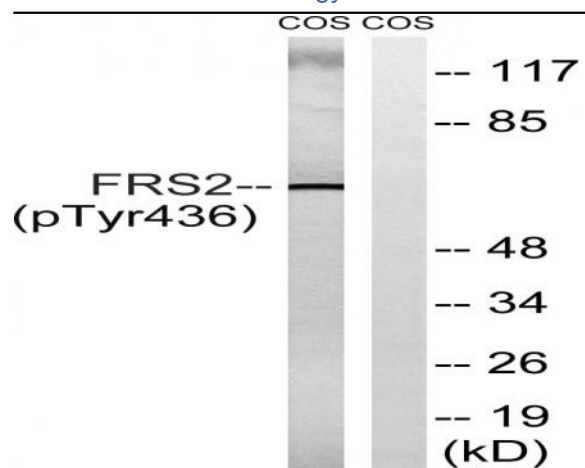
-	+	- phospho-peptide
-	-	+ non-phospho-peptide
+	+	+ 3T3 NGF(customer's sample)



Western Blot analysis of COS cells using Phospho-FRS2 (Y436) Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using FRS2 (Phospho-Tyr436) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from COS7 cells , using FRS2 (Phospho-Tyr436) Antibody. The lane on the right is blocked with the phospho peptide.