

FRS2 (phospho Tyr436) Polyclonal Antibody

Catalog No :	YP0805
Reactivity :	Human;Mouse;Monkey
Applications :	WB;IHC;IF;ELISA
Target :	FRS2
Fields :	>>Thermogenesis;>>Neurotrophin signaling pathway;>>Proteoglycans in cancer
Gene Name :	FRS2
Protein Name :	Fibroblast growth factor receptor substrate 2
Human Gene Id :	10818
Human Swiss Prot No :	Q8WU20
Mouse Gene Id :	327826
Mouse Swiss Prot No :	Q8C180
Immunogen :	The antiserum was produced against synthesized peptide derived from human FRS2 around the phosphorylation site of Tyr436. AA range:402-451
Specificity :	Phospho-FRS2 (Y436) Polyclonal Antibody detects endogenous levels of FRS2 protein only when phosphorylated at Y436.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 65kD

Cell Pathway : Neurotrophin;

Background : 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.,

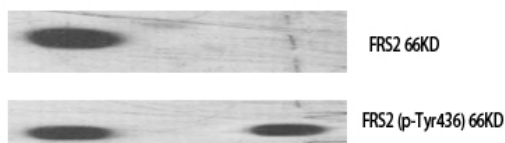
Function : function:Adapter protein that links FGR and NGF receptors to downstream signaling pathways. Involved in the activation of MAP kinases. Modulates signaling via SHC1 by competing for a common binding site on NTRK1.,PTM:Phosphorylated on tyrosine residues upon stimulation by NGF.,PTM:Ubiquitinated 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

Subcellular Location : Endomembrane system. Cytoplasmic, membrane-bound.

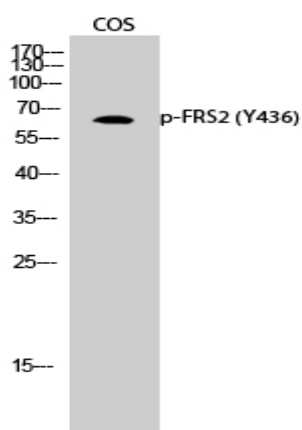
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Products Images

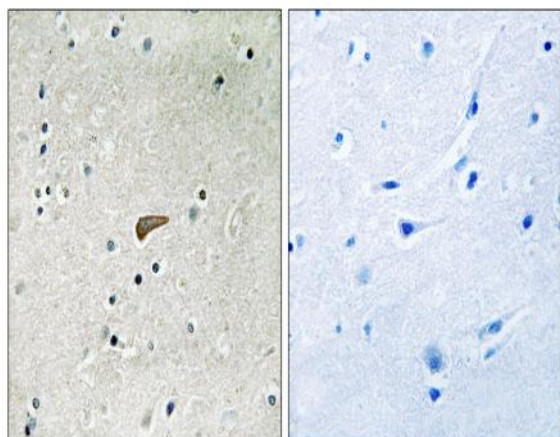
Western Blot analysis of various cells using Phospho-FRS2 (Y436) Polyclonal Antibody



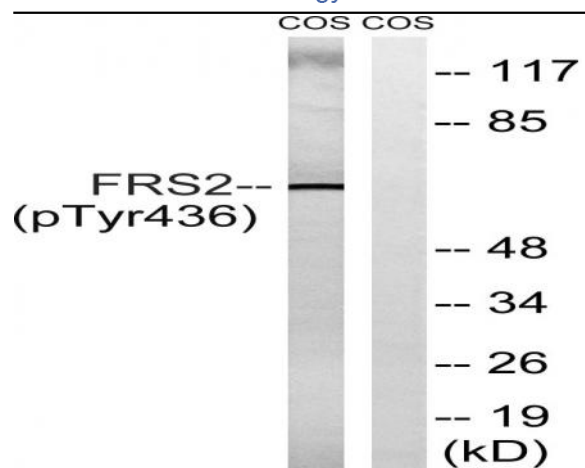
-	+	-	phospho-peptide
-	-	+	non-phospho-peptide
+	+	+	3T3 NGF(customer's sample)



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.