



FRS2 (phospho Tyr436) Polyclonal Antibody

Catalog No	YP-Ab-03577
Isotype	IgG
Reactivity	Human;Mouse;Monkey
Applications	WB;IHC;IF;ELISA
Gene Name	FRS2
Protein Name	Fibroblast growth factor receptor substrate 2
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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FRS2; Fibroblast growth factor receptor substrate 2; FGFR substrate 2; FGFR-signaling adaptor SNT; Suc1-associated neurotrophic factor target 1; SNT-1
Observed Band	65kD
Cell Pathway	Endomembrane system. Cytoplasmic, membrane-bound.
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

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.,

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



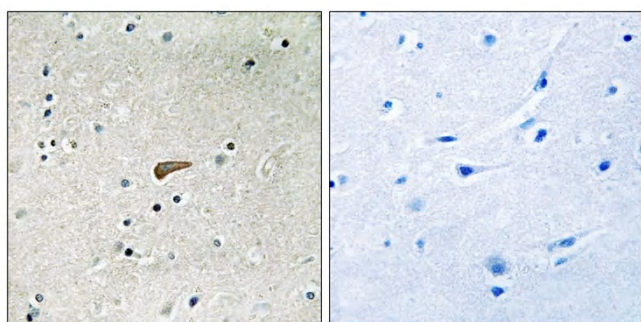
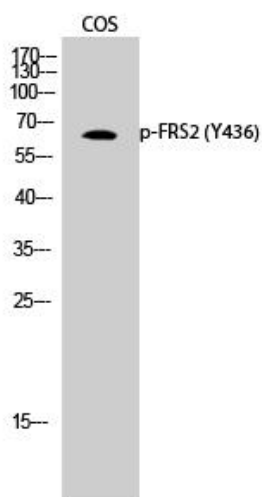
Products Images

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

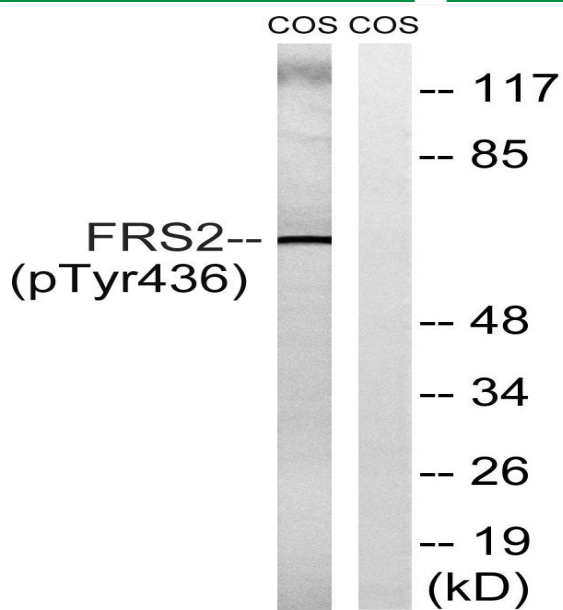


-	+	- phospho-peptide
-	-	+ non-phospho-peptide
+	+	+ 3T3 NGF(customer's sample)

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.