
Product Name: FRS2 Rabbit Polyclonal Antibody**Catalog #: APRab11158**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:20000-1:40000
Molecular Weight	65kDa

Antigen Information

Gene Name	FRS2
Alternative Names	FRS2; Fibroblast growth factor receptor substrate 2; FGFR substrate 2; FGFR-signaling adaptor SNT; Suc1-associated neurotrophic factor target 1; SNT-1
Gene ID	10818.0
SwissProt ID	Q8WU20
Immunogen	The antiserum was produced against synthesized peptide derived from human FRS2. AA range:162-211

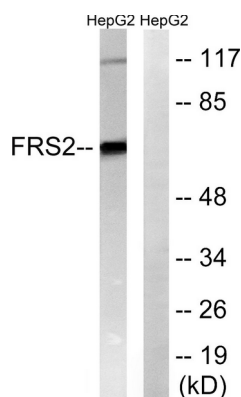
Background

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: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.,

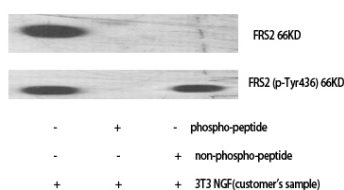
Research Area

Neurotrophin;

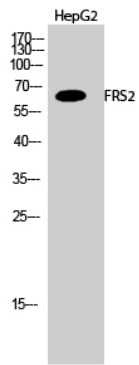
Image Data



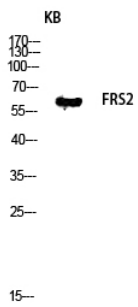
Western blot analysis of lysates from HepG2 cells, using FRS2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using FRS2 Polyclonal Antibody diluted at 1:1000



Western Blot analysis of HepG2 cells using FRS2 Polyclonal Antibody diluted at 1 : 1000



Western blot analysis of KB lysis using FRS2 antibody. Antibody was diluted at 1:1000