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Anti-FRS2 (pY436) Antibody

Rabbit polyclonal antibody to FRS2 (pY436)
Catalog # AP60287

Product Information

Application	WB, IHC
Primary Accession	Q8WU20
Other Accession	Q8C180
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57029

Additional Information

Gene ID	10818
Other Names	Fibroblast growth factor receptor substrate 2; FGFR substrate 2; FGFR-signaling adaptor SNT; Suc1-associated neurotrophic factor target 1; SNT-1
Target/Specificity	Recognizes endogenous levels of FRS2 (pY436) protein.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

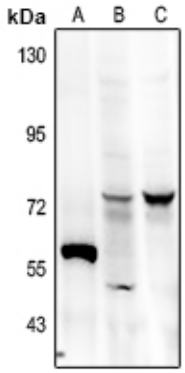
Protein Information

Name	FRS2
Function	Adapter protein that links activated FGR and NGF receptors to downstream signaling pathways. Plays an important role in the activation of MAP kinases and in the phosphorylation of PIK3R1, the regulatory subunit of phosphatidylinositol 3-kinase, in response to ligand-mediated activation of FGFR1. Modulates signaling via SHC1 by competing for a common binding site on NTRK1.
Cellular Location	Endomembrane system. Note=Cytoplasmic, membrane- bound
Tissue Location	Highly expressed in heart, brain, spleen, lung, liver, skeletal muscle, kidney and testis

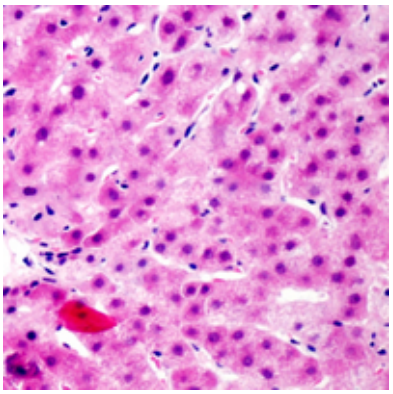
Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human FRS2 (pY436). The exact sequence is proprietary.

Images



Western blot analysis of FRS2 (pY436) expression in U87MG (A), Hela (B), PC12 (C) whole cell lysates.



Immunohistochemical analysis of FRS2 (pY436) staining in human liver formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.