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FRS2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18833c

Product Information

Application	WB, E
Primary Accession	Q8WU20
Other Accession	NP_006645.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39481
Calculated MW	57029
Antigen Region	275-303

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, FRS2
Target/Specificity	This FRS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 275-303 amino acids from the Central region of human FRS2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FRS2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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

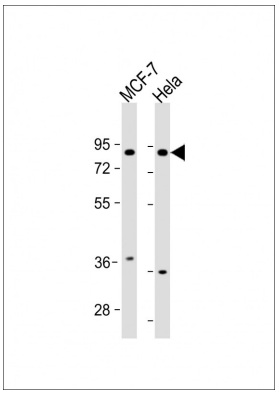
Background

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.

References

Zhou, W., et al. Cell Res. 19(10):1165-1177(2009)
Cha, J.Y., et al. J. Biol. Chem. 284(10):6227-6240(2009)
Li, M., et al. J. Dermatol. Sci. 53(3):182-191(2009)
Turner, S.T., et al. Hypertension 52(2):359-365(2008)
Gudbjartsson, D.F., et al. Nat. Genet. 40(5):609-615(2008)

Images



All lanes : Anti-FRS2 Antibody (Center) at 1:1000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 57 kDa Blocking/Dilution buffer: 5% NFDM/TBST.