10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-TUSC5 Antibody

Rabbit polyclonal antibody to TUSC5
Catalog # AP60648

Product Information

Application	WB, IF/IC
Primary Accession	Q8IXB3
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19254

Additional Information

Gene ID	286753
Other Names	IFITMD3; LOST1; Tumor suppressor candidate 5; Dispanin subfamily B member 1; DSPB1; Interferon-induced transmembrane domain-containing protein D3; Protein located at seventeen-p-thirteen point three 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human TUSC5. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IF/IC~~N/A
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

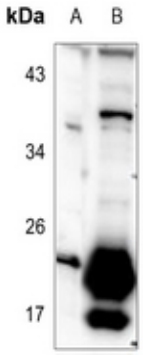
Name	TRARG1 (HGNC:29592)
Function	Regulates insulin-mediated adipose tissue glucose uptake and transport by modulation of SLC2A4 recycling. Not required for SLC2A4 membrane fusion upon an initial stimulus, but rather is necessary for proper protein recycling during prolonged insulin stimulation.
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q8C838}; Single-pass membrane protein {ECO:0000250|UniProtKB:Q8C838} Endomembrane system {ECO:0000250|UniProtKB:Q8C838}; Single-pass membrane protein {ECO:0000250|UniProtKB:Q8C838}. Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:Q8C838}. Note=Shifts from low-density microsome vesicles to the cell membrane upon insulin stimulation {ECO:0000250|UniProtKB:Q8C838}

Tissue Location	Expressed at high levels in heart, mammary gland, adrenal gland, stomach, smooth muscle and skeletal muscle, and at lower levels in brain and lung. Strongly down-regulated in lung cancer tissues, due to hypermethylation of the corresponding locus (PubMed:12660825). Expressed in adipose tissue (PubMed:26629404)

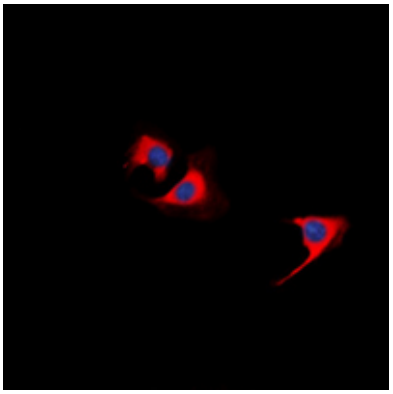
Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human TUSC5. The exact sequence is proprietary.

Images



Western blot analysis of TUSC5 expression in rat kidney (A), SHSY5Y (B) whole cell lysates.



Immunofluorescent analysis of TUSC5 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).