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

TUSC5 Rabbit pAb

Catalog # AP100133

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q8IXB3
Other Accession	Q8IXB3
Predicted	Rat, Human, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19254
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TUSC5
Epitope Specificity	101-177/177
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the CD225/Dispanin family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	TUSC5 may be involved in fat metabolism. It is expressed at high levels in heart, mammary gland, adrenal gland, stomach, smooth muscle and skeletal muscle and at lower levels in brain and lung. TUSC5 is strongly down regulated in lung cancer tissues, due to hypermethylation of the corresponding locus.

Additional Information

Gene ID	286753
Other Names	BEC-1; DSPB1; IFITMD3; LOST1; TUSC5; TARG1_HUMAN; TRARG1; Dispanin subfamily B member 1 (DSPB1); Interferon-induced transmembrane domain-containing protein D3; Protein located at seventeen-p-thirteen point three 1; Tumor suppressor candidate 5; trafficking regulator of GLUT4 (SLC2A4) 1 (gene/pseudogene); trafficking regulator of GLUT4 (SLC2A4) 1; located at seventeen p thirteen point three 1; interferon induced transmembrane protein domain containing 3; dispanin subfamily B member 1; brain endothelial cell derived gene-1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.