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**

## Specification

### Anti-TUSC5 Antibody - Product Information

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

### Anti-TUSC5 Antibody - 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**
Recognizes endogenous levels of TUSC5 protein.

**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

### Anti-TUSC5 Antibody - 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}

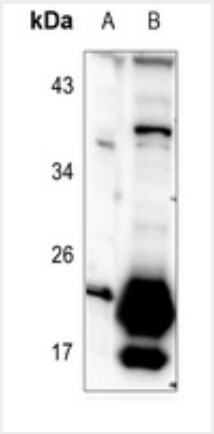
**Tissue Location**
Expressed at high levels in heart, mammary gland, adrenal gland, stomach, smooth muscle and skeletal muscle, and at lower levels in brain and lung. Strongly down-regulated in lung cancer tissues, due to hypermethylation of the corresponding locus (PubMed:12660825). Expressed in adipose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

## Anti-TUSC5 Antibody - Protocols

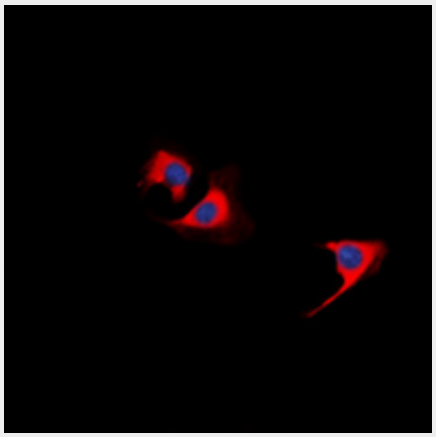
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-TUSC5 Antibody - Images




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



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

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).

**Anti-TUSC5 Antibody - Background**

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