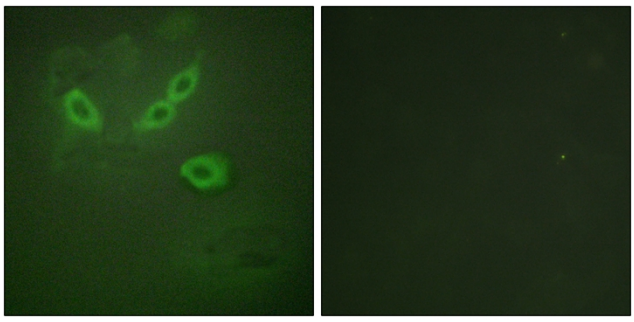
# LOST1 Polyclonal Antibody

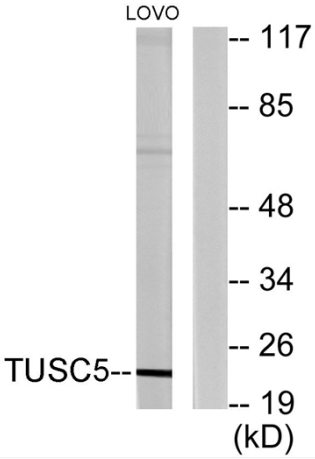
| | |
|---|---|
| **Catalog No** | YP-Ab-00433 |
| **Isotype** | IgG |
| **Reactivity** | Human;Rat;Mouse; |
| **Applications** | WB;ELISA;IHC |
| **Gene Name** | TUSC5 |
| **Protein Name** | Tumor suppressor candidate 5 |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human TUSC5. AA range:1-50 |
| **Specificity** | LOST1 Polyclonal Antibody detects endogenous levels of LOST1 protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source** | Polyclonal, Rabbit,IgG |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Dilution** | WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | TUSC5; 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 |
| **Observed Band** | 22kD |
| **Cell Pathway** | Cell membrane ; Single-pass membrane protein . Endomembrane system ; Single-pass membrane protein . Cytoplasm, perinuclear region . Shifts from low-density microsome vesicles to the cell membrane upon insulin stimulation. . |
| **Tissue Specificity** | 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). |
| **Function** | developmental stage:Expressed in fetal brain.,function:May be involved in fat metabolism.,similarity:Belongs to the CD225 family.,tissue specificity: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., |
| **Background** | developmental stage:Expressed in fetal brain.,function:May be involved in fat metabolism.,similarity:Belongs to the CD225 family.,tissue specificity: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., |
| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

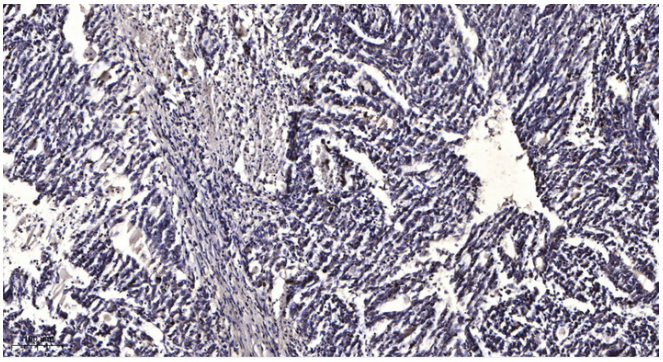
## Products Images



Immunofluorescence analysis of HeLa cells, using TUSC5 Antibody. The picture on the right is blocked with the synthesized peptide.




Western blot analysis of lysates from LOVO cells, using TUSC5 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).