



## Rabbit Anti-TUSC2 antibody

SL5707R

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| <b>Product Name:</b>     | TUSC2  |
| <b>Chinese Name:</b>     | 血小板源性生长因子A相关蛋白2抗体  |
| <b>Alias:</b>            | C3orf11; FUS1; Fusion 1 protein; PAP; PDAP2; PDGFA associated protein 2; Tumor suppressor candidate 2; TUSC 2; TUSC2_HUMAN.  |
| <b>Organism Species:</b> | Rabbit   |
| <b>Clonality:</b>        | Polyclonal   |
| <b>React Species:</b>    | Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,  |
| <b>Applications:</b>     | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair)<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.   |
| <b>Molecular weight:</b> | 12kDa  |
| <b>Form:</b>             | Lyophilized or Liquid  |
| <b>Concentration:</b>    | 1mg/ml   |
| <b>immunogen:</b>        | KLH conjugated synthetic peptide derived from human TUSC2:31-100/110   |
| <b>Lsotype:</b>          | IgG  |
| <b>Purification:</b>     | affinity purified by Protein A   |
| <b>Storage Buffer:</b>   | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.   |
| <b>Storage:</b>          | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.  |
| <b>PubMed:</b>           | <a href="#">PubMed</a>   |
| <b>Product Detail:</b>   | TUSC2/FUS1 is a novel tumor suppressor gene identified in the human chromosome 3p21.3 region where allele losses and genetic alterations occur early and frequently for many human cancers. Expression of TUSC2 protein is absent or reduced in the majority of lung cancers and premalignant lung lesions. Restoration of TUSC2 function in 3p21.3-deficient non-small cell lung carcinoma cells significantly inhibits tumor cell growth by induction of apoptosis and alteration of cell cycle kinetics. TUSC2 may induce apoptosis through the activation of the intrinsic mitochondrial-dependent and |

Apaf-1-associated pathways and inhibit the function of protein tyrosine kinases including EGFR, PDGFR, AKT, c-Abl, and c-Kit.

**Function:**

May function as a tumor suppressor, inhibiting colony formation, causing G1 arrest and ultimately inducing apoptosis in homozygous 3p21.3 120-kb region-deficient cells.

**Tissue Specificity:**

Strong expression in heart, lung, skeletal muscle, kidney, and pancreas, followed by brain and liver, lowest levels in placenta.

**Post-translational modifications:**

Myristoylation is required for tumor suppressor activity.

**Similarity:**

Belongs to the TUSC2 family.

**SWISS:**

O75896

**Gene ID:**

11334

**Database links:**

[Entrez Gene: 11334](#)Human

[Entrez Gene: 80385](#)Mouse

[Entrez Gene: 448842](#)Pig

[Entrez Gene: 501052](#)Rat

[Omim: 607052](#)Human

[SwissProt: O75896](#)Human

[SwissProt: Q9WVF8](#)Mouse

[Unigene: 517981](#)Human

[Unigene: 21739](#)Mouse

[Unigene: 120731](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

