



## Anti-TUSC2 Antibody

**Alternative Names:** C3orf11, FUS1, PAP, PDAP2, Tumor suppressor candidate 2, Tumor Suppressor 2, Mitochondrial Calcium Regulator, Tumor Suppressor Candidate, PDGFA-Associated Protein, Fusion 1 Protein, Fus-1 Protein

**Catalogue Number:** AB18-10075-50ug

**Size:** 50 µg

### Background Information

Tumor suppressor candidate 2 (TUSC2) is known to act as a tumor-suppressor and reduced expression of TUSC2 is seen in specific cancers across a number of different tissues. TUSC2 is a target for many microRNAs (miRNAs) that act as modulators of tumorigenesis and tumor progression. In glioblastoma (and possibly in other cancers) TUSC2 acts by up-regulating the level of miR-197 [1]. In Triple Negative Breast Cancer (TNBC) the TUSC2 gene is silenced by miR-138 binding to a unique 5'-UTR target-site, which overlaps with the translation start-site of the transcript. In ovarian cancer miR-663 acts as a potential tumor-promoting miRN through targeting TUSC2.

### Product Information

<b>Antibody Type:</b>	Polyclonal	<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG	<b>Species Reactivity:</b>	Human, Mouse, Rat
<b>Immunogen:</b>	Full length recombinant human TUSC2		
<b>Format:</b>	50 µg in 50 µl PBS containing 0.02% sodium azide.		
<b>Storage Conditions:</b>	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
<b>Applications:</b>	WB IHC IF		
	WB 1:500-2000. IHC 1:50-200. IF 1:50-100.		

### Additional Information

<b>Subcellular location:</b>	Mitochondrion	<b>MW:</b>	12kDa (Intended as a general guide and does not allow for all isoforms and species variations)
<b>Gene ID</b>	11334	<b>Uniprot ID:</b>	O75896



## References

1. Xin J, Zhang XK, Xin DY, Li XF, Sun DK, Ma YY, Tian LQ. FUS1 acts as a tumor-suppressor gene by upregulating miR-197 in human glioblastoma. *Oncol Rep.* 2015;34(2):868–76.