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Datasheet for ABIN919018

**anti-TUSC2 antibody (AA 31-100) (Alexa Fluor 488)**

## Overview

Quantity:	100 µL
Target:	TUSC2
Binding Specificity:	AA 31-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TUSC2 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TUSC2
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse, Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	TUSC2
Alternative Name:	TUSC2 ( <a href="#">TUSC2 Products</a> )
Background:	Synonyms: C3orf11, FUS1, Fusion 1 protein, PAP, PDAP2, PDGFA associated protein 2, Tumor

## Target Details

suppressor candidate 2, TUSC 2, TUSC2\_HUMAN.

Background: 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.

Gene ID: 11334

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months