

For Research Use Only

TUSC2 Polyclonal antibody

Catalog Number: 11538-1-AP

2 Publications



Basic Information

Catalog Number:

11538-1-AP

Size:

147 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2118

GenBank Accession Number:

BC023976

GeneID (NCBI):

11334

UNIPROT ID:

O75896

Full Name:

tumor suppressor candidate 2

Calculated MW:

12 kDa

Observed MW:

10-12 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Background Information

FUS1 (or TUSC2) gene is a highly conserved lung cancer candidate gene, which was identified in the 120 kb 3p21.3 critical region contained in nested lung and breast cancer homozygous deletions. Overexpression of FUS1 gene leads to G1 arrest and growth inhibition of lung cancer cells (PMID: 11593436). The encoded Fusion-1 protein was down-regulated, mutated or lost in the majority of inflammatory thoracic malignancies. It has been evidenced that Fusion-1 establishes its immune- and tumour-suppressive activities via regulation of mitochondrial homeostasis (PMID: 22513871). In addition, myristoylation is found to be required for Fusion-1-mediated tumor-suppressing activity and suggest a novel mechanism for the inactivation of tumor suppressors in lung cancer and a role for deficient posttranslational modification in tumor suppressor-gene-mediated carcinogenesis (PMID: 15126327).

Notable Publications

Author	Pubmed ID	Journal	Application
Francesca Maria Orlandella	27661106	Oncotarget	WB,IHC
Tadas K Rimkus	35167936	Cancer Lett	WB,IHC,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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