

For Research Use Only

TUSC2 Polyclonal antibody, PBS Only

Catalog Number:11538-1-PBS



Basic Information

Catalog Number: 11538-1-PBS	GenBank Accession Number: BC023976	Purification Method: Antigen affinity purification
Size: 1mg/ml	GeneID (NCBI): 11334	
Source: Rabbit	UNIPROT ID: O75896	
Isotype: IgG	Full Name: tumor suppressor candidate 2	
Immunogen Catalog Number: AG2118	Calculated MW: 12 kDa	
	Observed MW: 10-12 kDa	

Applications

Tested Applications:
ELISA

Species Specificity:
human, mouse, rat

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).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data