Nur für Forschungszwecke

TUSC2 Polyklonaler Antikörper

Katalog-Nr.:11538-1-AP 2 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
11538-1-AP

Größe:
150ul , Konzentration: 147 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG2118

GenBank-Zugangsnummer:
BC023976

GeneID (NCBI):
11334

Vollständiger Name:
tumor suppressor candidate 2

Berechneté Masse:
12 kDa

Beobachteté Masse:
10-12 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:300-1:2000
IHC 1:20-1:200
IF 1:20-1:200

Anwendungen

Geprüfte Anwendungen:
IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:
IF, IHC, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Maus

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : humanes Herzgewebe, Maus-Pankreasgewebe

IHC : humanes Lungenkarzinomgewebe, humanes Kolonkarzinomgewebe

IF : A549-Zellen,

Hintergrundinformationen

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).

Bemerkenswerte Veröffentlichungen

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

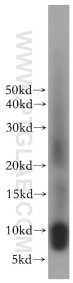
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

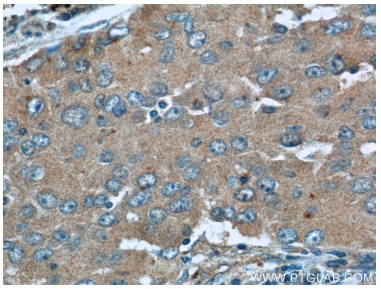
***** 20ul-Größen enthalten 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

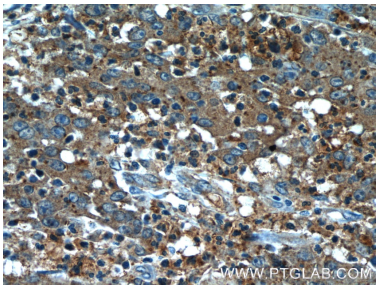
Ausgewählte Validierungsdaten



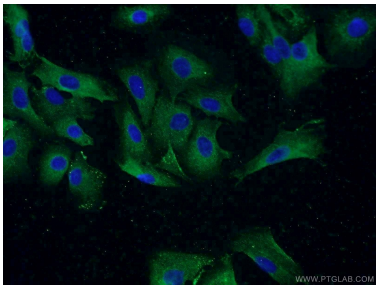
human heart tissue were subjected to SDS PAGE followed by western blot with 11538-1-AP (TUSC2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11538-1-AP (TUSC2 Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11538-1-AP (TUSC2 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of A549 cells using 11538-1-AP (TUSC2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).