

For Research Use Only

MTUS1 Recombinant antibody

Catalog Number: 85117-4-RR



Basic Information

Catalog Number: 85117-4-RR	GenBank Accession Number: BC033842	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 57509	CloneNo.: 242537B7
Source: Rabbit	UNIPROT ID: Q9ULD2	Recommended Dilutions: WB 1:1000-1:4000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: mitochondrial tumor suppressor 1	
Immunogen Catalog Number: AG4242	Calculated MW: 51 kDa, 141 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : A549 cells, SKOV-3 cells, HepG2 cells, mouse brain tissue IF/ICC : PC-3 cells,

Background Information

MTUS1, also named as ATBP, ATIP, GK1, KIAA1288 and MTSG1, Belongs to the MTUS1 family. It cooperates with AGTR2 to inhibit ERK2 activation and cell proliferation. MTUS1 may be required for AGTR2 cell surface expression. Together with PTPN6, induces UBE2V2 expression upon angiotensin-II stimulation. Isoform 1 inhibits breast cancer cell proliferation, delays the progression of mitosis by prolonging metaphase and reduces tumor growth. MTUS1 up-regulation during cellular transition from proliferation to quiescence and differentiation. It is a potential tumor suppressor gene located at chromosome 8p21.3.22, near marker D8S254. According to the functional data and intracellular localization, MTUS1 also named as mitochondrial tumor suppressor gene 1 (MTSG1). One main feature common to all ATIP members is the presence of a large C-terminal coiled-coil domain that allows homo- and hetero-dimerization of these proteins. (PMID:12692079, 15123706).

Storage

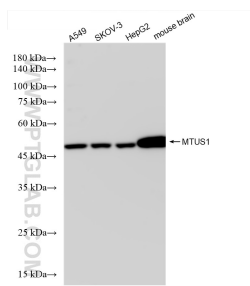
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

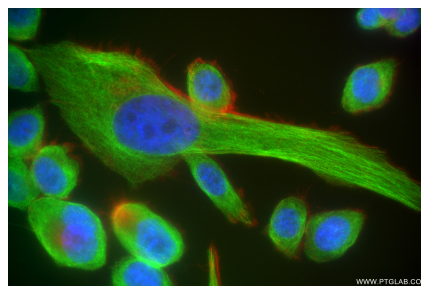
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85117-4-RR (MTUS1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using MTUS1 antibody (85117-4-RR, Clone: 242537B7) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).