

For Research Use Only

STK33 Polyclonal antibody

Catalog Number: 12857-1-AP **1 Publications**



Basic Information

Catalog Number: 12857-1-AP	GenBank Accession Number: BC031231	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 700 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 65975	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9BYT3	
Isotype: IgG	Full Name: serine/threonine kinase 33	
Immunogen Catalog Number: AG3561	Calculated MW: 514 aa, 58 kDa	
	Observed MW: 53 kDa	

Applications

Tested Applications: WB, IP, IF, IHC, ELISA	Positive Controls: WB : human kidney tissue, mouse testis tissue IP : HEK-293 cells, IHC : human liver cancer tissue, IF : A431 cells,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Serine/threonine kinase 33 (STK33) gene, which is identified in human chromosome 11 and mouse chromosome 7, encodes a serine/threonine kinase. STK33 belongs to a member of the calcium/calmodulin-dependent kinase (CAMK), which is mainly existed in testis, certain brain regions and embryonic organs such as brain, heart and spinal cord in human and mouse and is likely to participate in spermatogenesis and organ ontogenesis. (PMID: 30256516, PMID: 34536775)

Notable Publications

Author	Pubmed ID	Journal	Application
Weiling Yu	37146716	Mol Cell Proteomics	WB

Storage

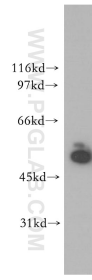
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

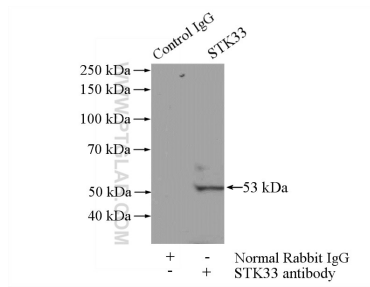
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

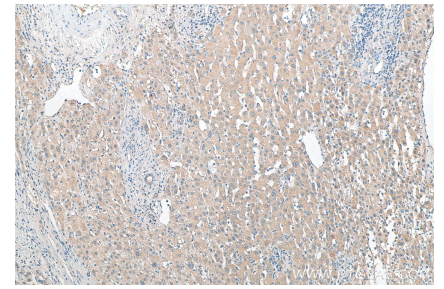
Selected Validation Data



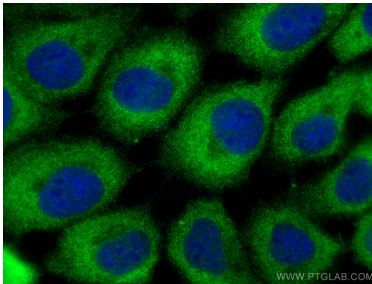
human kidney tissue were subjected to SDS PAGE followed by western blot with 12857-1-AP (STK33 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



IP result of anti-STK33 (IP:12857-1-AP, 4ug; Detection:12857-1-AP 1:300) with HEK-293 cells lysate 880ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 12857-1-AP (STK33 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using STK33 antibody (12857-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).