

For Research Use Only

MARCKS Polyclonal antibody

Catalog Number: 20661-1-AP

5 Publications



Basic Information

Catalog Number:

20661-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002356

GeneID (NCBI):

4082

UNIPROT ID:

P29966

Full Name:

myristoylated alanine-rich protein kinase C substrate

Calculated MW:

32 kDa

Observed MW:

80 kDa

Purification Method:

Antigen affinity purification

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-P 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF-P, IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

Positive Controls:

WB : HEK-293 cells, IMR-32 cells, mouse brain tissue, rat brain tissue, SH-SY5Y cells, SK-N-SH cells

IP : A431 cells,

IHC : human normal colon,

IF-P : mouse brain tissue,

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

MARCKS, also named as MACS, PRKCSL and 80K-L protein, belongs to the MARCKS family. MARCKS is the most prominent cellular substrate for protein kinase C. It binds calmodulin, actin, and synapsin. MARCKS is a filamentous (F) actin cross-linking protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Nicholas J Eustace	30942445	Int J Oncol	IP
Falguni Das	35835217	J Biol Chem	WB
Tong Lei	32800794	J 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

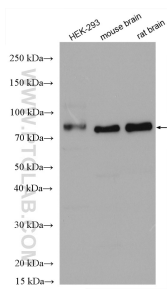
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

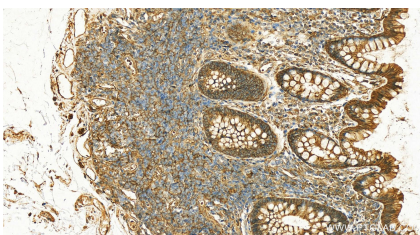
E: proteintech@ptglab.com
W: ptglab.com

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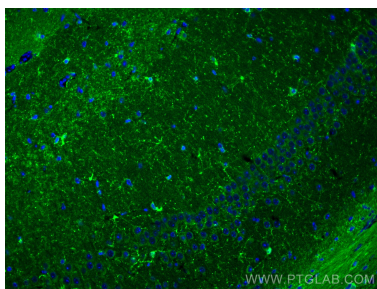
Selected Validation Data



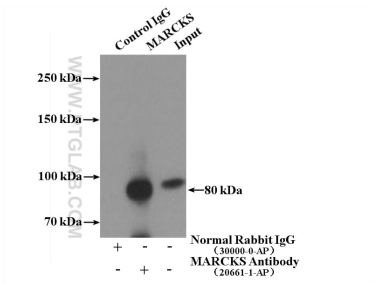
Various lysates were subjected to SDS PAGE followed by western blot with 20661-1-AP (MARCKS antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



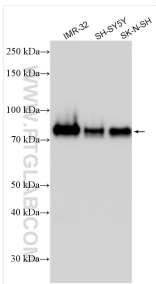
Immunohistochemical analysis of paraffin-embedded human normal colon slide using 20661-1-AP (MARCKS antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using MARCKS antibody (20661-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



IP result of anti-MARCKS (IP:20661-1-AP, 4ug; Detection:20661-1-AP 1:300) with A431 cells lysate 1200ug.



Various lysates were subjected to SDS PAGE followed by western blot with 20661-1-AP (MARCKS antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.