

For Research Use Only

Calpain S2 Polyclonal antibody

Catalog Number: 15803-1-AP



Basic Information

Catalog Number:

15803-1-AP

Size:

150ul , Concentration: 450 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8534

GenBank Accession Number:

BC005397

GeneID (NCBI):

84290

UNIPROT ID:

Q96L46

Full Name:

calpain, small subunit 2

Calculated MW:

248 aa, 28 kDa

Observed MW:

28 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Species Specificity:

human, mouse, rat

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

Positive Controls:

WB : mouse skin tissue, rat skin tissue

IP : mouse skin tissue,

IHC : human skin cancer tissue,

Background Information

Calpain S2, also known as calpain-2, is a member of the calpain family of calcium-dependent proteases that play crucial roles in various cellular processes.

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

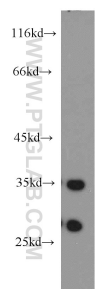
For technical support and original validation data for this product please contact:

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

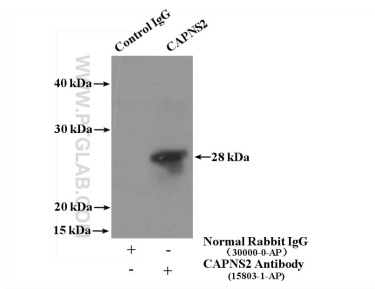
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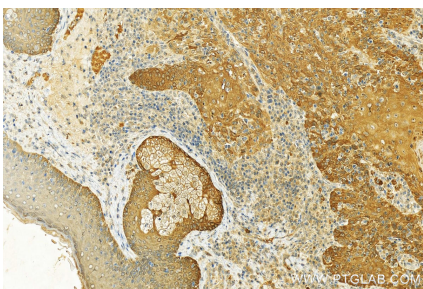
Selected Validation Data



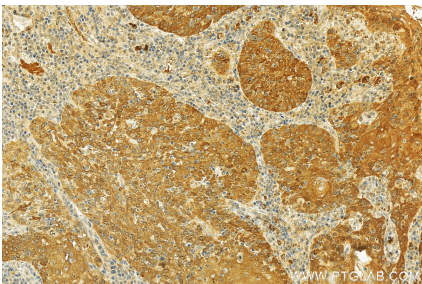
mouse skin tissue were subjected to SDS PAGE followed by western blot with 15803-1-AP (Calpain S2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-Calpain S2 (IP:15803-1-AP, 4ug; Detection:15803-1-AP 1:300) with mouse skin tissue lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 15803-1-AP (Calpain S2 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 15803-1-AP (Calpain S2 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).