

CAMKK1 Polyclonal antibody

Catalog Number: 13624-1-AP

Basic Information

Catalog Number:

13624-1-AP

Size:

750 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4534

GenBank Accession Number:

BC031647

GeneID (NCBI):

84254

UNIPROT ID:

Q8N5S9

Full Name:

calcium/calmodulin-dependent
protein kinase kinase 1, alpha

Calculated MW:

520 aa, 57 kDa

Observed MW:

63 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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 : Jurkat cells,

IP : Jurkat cells,

IHC : human stomach tissue,

Background Information

Calcium/calmodulin-dependent protein kinase kinase 1 catalyzes the phosphorylation and activation of Ca(2+)/calmodulin kinase (CaMK) as an upstream component of the CaMK cascade that has been implicated in neuronal gene transcription, synaptic plasticity, and long-term memory consolidation. CAMKK1 has two isoforms of 56kda and 58kda and involved in regulating cell apoptosis, promotes cell survival by phosphorylating AKT1/PKB that inhibits pro-apoptotic BAD/Bcl2-antagonist of cell death. Researches showed that Camkk1 plays a selective role in contextual fear memory. This 66-68kda protein can be phosphorylated (probably antophosphorylation) (PMID:7961813). This antibody recognize the N-terminal of CAMKK1.

Storage

Storage:

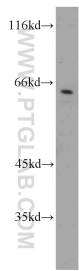
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

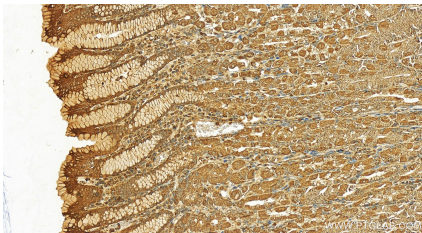
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

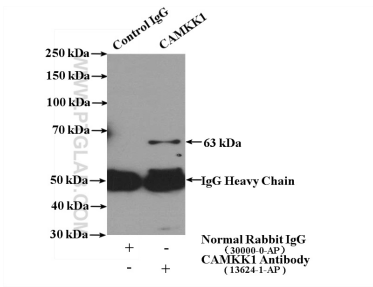
Selected Validation Data



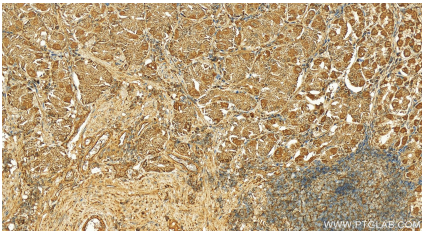
Jurkat cells were subjected to SDS PAGE followed by western blot with 13624-1-AP (CAMKK1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 13624-1-AP (CAMKK1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-CAMKK1 (IP:13624-1-AP, 4ug; Detection:13624-1-AP 1:1000) with Jurkat cells lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 13624-1-AP (CAMKK1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).