

For Research Use Only

CIT Polyclonal antibody, PBS Only

Catalog Number: 20033-1-PBS



Basic Information

Catalog Number:

20033-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_007174

GeneID (NCBI):

11113

UNIPROT ID:

O14578

Full Name:

citron (rho-interacting, serine/threonine kinase 21)

Calculated MW:

231 kDa

Observed MW:

230 kDa, 177 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

CIT, also named KIAA0949, STK21 and CRIK, belongs to the protein kinase superfamily and AGC Ser/Thr protein kinase family. It is required for KIF14 localization to the central spindle and midbody. CIT may play a role in cytokinesis. Putative RHO/RAC effector that binds to the GTP-bound forms of RHO and RAC1. It probably binds p21 with a tighter specificity in vivo. CIT plays an important role in the regulation of cytokinesis and the development of the central nervous system. The antibody recognizes all the isoforms of CIT.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

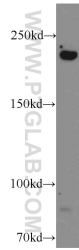
For technical support and original validation data for this product please contact:

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

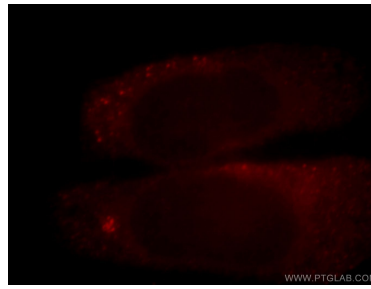
E: proteintech@ptglab.com
W: ptglab.com

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

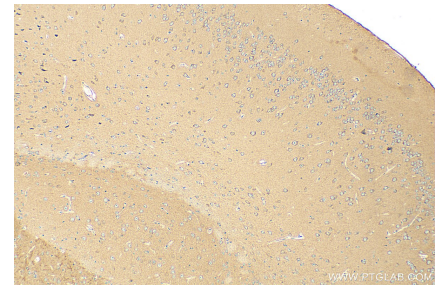
Selected Validation Data



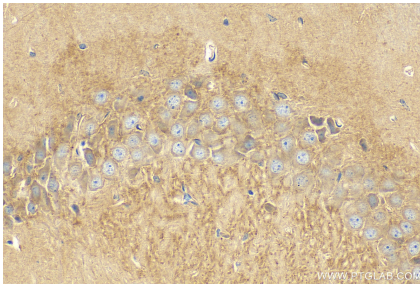
A431 cells were subjected to SDS PAGE followed by western blot with 20033-1-AP (CIT antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20033-1-PBS in a different storage buffer formulation.



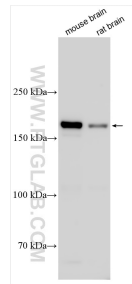
Immunofluorescent analysis of HepG2 cells, using CIT antibody 20033-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). This data was developed using the same antibody clone with 20033-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20033-1-AP (CIT antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20033-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20033-1-AP (CIT antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20033-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 20033-1-AP (CIT antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20033-1-PBS in a different storage buffer formulation.