

For Research Use Only

HICE1 Polyclonal antibody, PBS Only

Catalog Number:33973-1-PBS



Basic Information

Catalog Number:

33973-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG40571

GenBank Accession Number:

BC010176

GeneID (NCBI):

93323

UNIPROT ID:

Q9BT25

Full Name:

HEC1/NDC80 interacting, centrosome associated 1

Calculated MW:

410 aa, 45 kDa

Observed MW:

38kDa, 45kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

Background Information

The HICE1 protein (also known as HAUS8) is an important member of the HICE (Hippo pathway components-enriched) family. Hice1 shows distinct cytoplasmic localization and associates with interphase centrosomes and mitotic spindles, preferentially at the spindle pole vicinity. It primarily serves as a core component of the STRIPAK complex (Striatin-interacting phosphatase and kinase complex), where it inhibits the activity of the key kinases MST1/2 in the Hippo signaling pathway by regulating their dephosphorylation, thereby playing a critical role in organ size control, tissue homeostasis maintenance, and cell proliferation and apoptosis.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

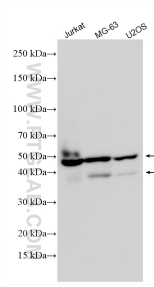
T: 4006900926

E: Proteintech-CN@ptglab.com

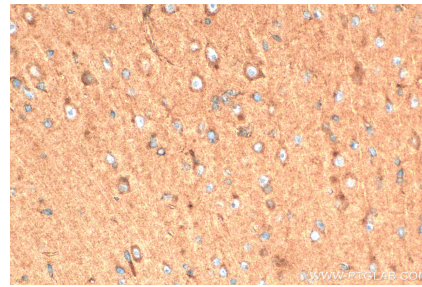
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33973-1-AP (HICE1 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33973-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 33973-1-AP (HICE1 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 33973-1-PBS in a different storage buffer formulation.