For Research Use Only

BAHCC1 Polyclonal antibody

Catalog Number:30046-1-AP

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
30046-1-AP

Size:
500 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG32599

GenBank Accession Number:
NM_001291324.1

GeneID (NCBI):
57597

UNIPROT ID:
Q9P281

Full Name:
BAH domain and coiled-coil containing 1

Calculated MW:
280 kDa

Observed MW:
280 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IHC 1:50-1:500
IF/ICC 1:200-1:800

Applications

Tested Applications:
IF/ICC, IHC, 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:

IHC : mouse brain tissue, rat brain tissue, mouse colon tissue

IF/ICC : A549 cells,

Background Information

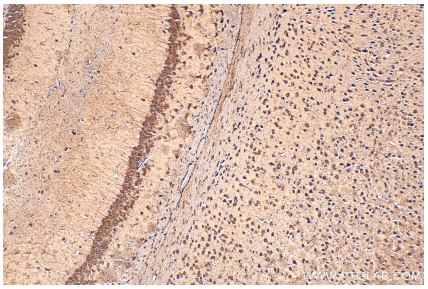
BAHCC1 (BAH and coiled-coil domain-containing protein 1) is also named as BAHD2, KIAA1447 and BAH domain-containing protein 2. BAHCC1 is a transcriptional regulator controlling expression of E2F/KLF-dependent cell-cycle and DNA-repair genes. BAHCC1 associates with BRG1-containing remodeling complexes at the promoters of these genes. BAHCC1 silencing leads to decreased cell proliferation and delayed DNA repair. Consequently, BAHCC1 deficiency cooperates with PARP inhibition to induce melanoma cell death (PMID: 37924516). depletion of BAHCC1, or disruption of the BAHCC1BAH-H3K27me3 interaction, causes derepression of H3K27me3-targeted genes that are involved in tumor suppression and cell differentiation, leading to suppression of oncogenesis (PMID: 33139953).

Storage

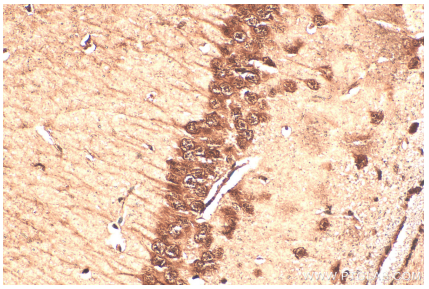
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

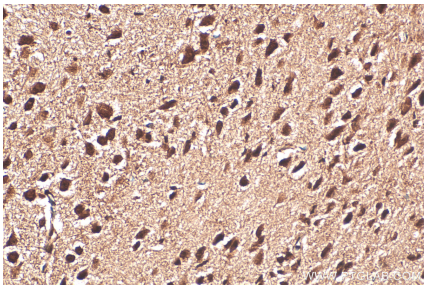
Selected Validation Data



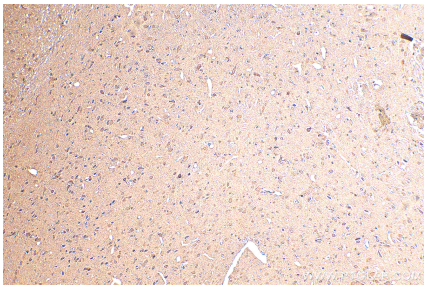
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 30046-1-AP (BAHCC1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



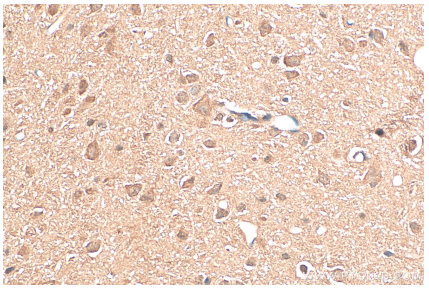
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 30046-1-AP (BAHCC1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



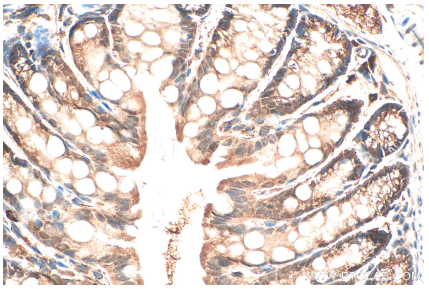
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 30046-1-AP (BAHCC1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



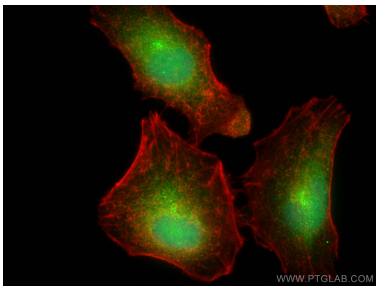
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 30046-1-AP (BAHCC1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



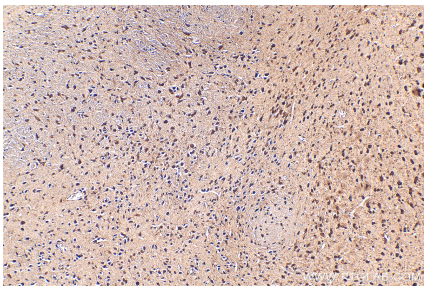
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 30046-1-AP (BAHCC1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 30046-1-AP (BAHCC1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using BAHCC1 antibody (30046-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 30046-1-AP (BAHCC1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).