For Research Use Only

AADACL1 Polyclonal antibody

Catalog Number:14021-1-AP 3 Publications

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Basic Information

Catalog Number:
14021-1-AP

Size:
240 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG5136

GenBank Accession Number:
BC047588

GeneID (NCBI):
57552

UNIPROT ID:
Q6PIU2

Full Name:
arylacetamide deacetylase-like 1

Calculated MW:
46 kDa

Observed MW:
40-50 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:20-1:200
IF 1:10-1:100

Applications

Tested Applications:
IF/ICC, IHC, IP, WB, ELISA

Cited Applications:
WB, IHC

Species Specificity:
human, mouse, rat

Cited Species:
human, 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 : PC-3 cells,

IP : COLO 320 cells,

IHC : human brain tissue, human kidney tissue, human lung tissue, human ovary tissue, human skin tissue, human spleen tissue

IF : COLO 320 cells,

Background Information

AADACL1(Arylacetamide deacetylase-like 1) is also named as NCEH1, KIAA1363 and belongs to the 'GDXG' lipolytic enzyme family. The transmembrane enzyme, AADACL1, controls the production of the monoalkylglycerol ether (MAGE) class of NELs in cancer cells and acts as a 2-acetyl MAGE hydrolase and is likely the principal source for this activity in tumor cells(PMID:21513884). The full length protein has three glycosylation sites and can be N-glycosylated(PMID:19159218). It has 3 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Jingyi Duan	32240813	J Proteomics	WB
Wei Tang	38062450	J Transl Med	IHC
Ryosuke Shimai	37544935	Sci Rep	WB

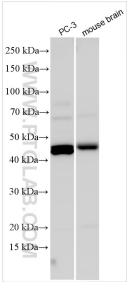
Storage

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

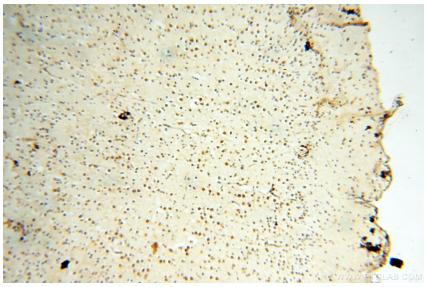
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

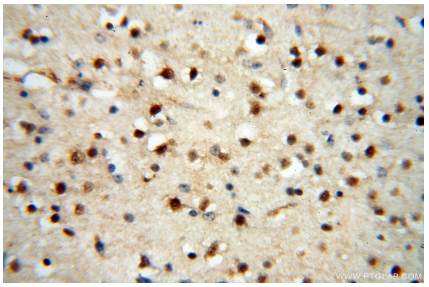
Selected Validation Data



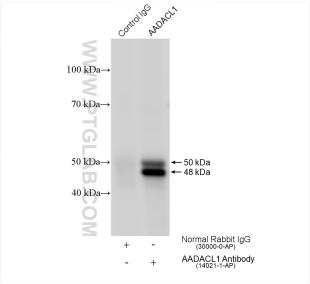
Various lysates were subjected to SDS PAGE followed by western blot with 14021-1-AP (AADACL1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



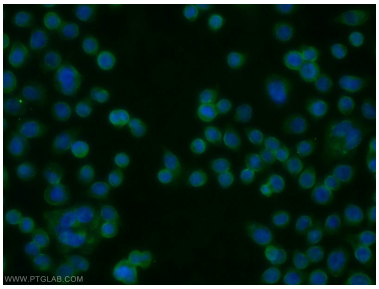
Immunohistochemical analysis of paraffin-embedded human brain using 14021-1-AP (AADACL1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 14021-1-AP (AADACL1 antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-AADACL1 (IP:14021-1-AP, 4ug; Detection:14021-1-AP 1:500) with COLO 320 cells lysate 1320 ug.



Immunofluorescent analysis of COLO 320 cells using 14021-1-AP (AADACL1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).