

For Research Use Only

FA2H Polyclonal antibody

Catalog Number: 15452-1-AP

9 Publications



Basic Information

Catalog Number:

15452-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7717

GenBank Accession Number:

BC002679

GeneID (NCBI):

79152

UNIPROT ID:

Q7L5A8

Full Name:

fatty acid 2-hydroxylase

Calculated MW:

43 kDa

Observed MW:

38-43 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:250-1:1000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human

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 : HeLa cells, human brain tissue, human stomach tissue, mouse colon tissue, MKN-45 cells, SGC-7901 cells, mouse brain tissue

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

IF/ICC : HeLa cells,

Background Information

FA2H(Fatty acid 2-hydroxylase) required for alpha-hydroxylation of free fatty acids and the formation of alpha-hydroxylated sphingolipids. The deduced 372-amino acid protein has a calculated molecular mass of 42.8 kD. Both mouse and human FA2H have a C-terminal endoplasmic reticulum (ER) retention motif(PMID: 15658937).

Notable Publications

Author	Pubmed ID	Journal	Application
Xuantong Zhou	36274060	Signal Transduct Target Ther	IHC
Xiaofeng Dai	31709178	Front Oncol	WB,IHC
Tyler D Baguley	24083656	J Med Chem	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:

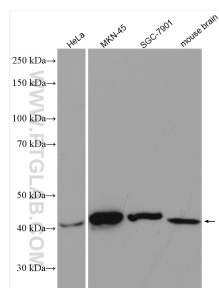
T: 4006900926

E: Proteintech-CN@ptglab.com

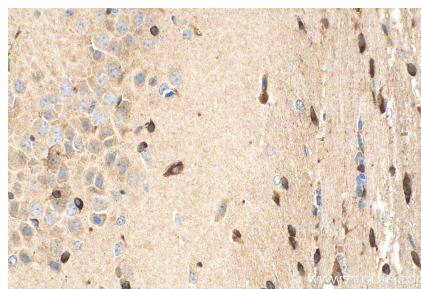
W: ptgcn.com

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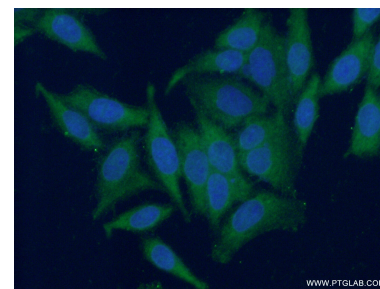
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15452-1-AP (FA2H antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15452-1-AP (FA2H antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 15452-1-AP (FA2H antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).