

For Research Use Only

# FA2H Polyclonal antibody

Catalog Number: 15452-1-AP

10 Publications



## Basic Information

### Catalog Number:

15452-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 280 ug/ml by Bradford method using BSA as the standard;

### 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, mouse

**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, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

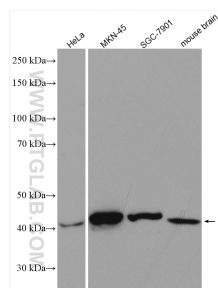
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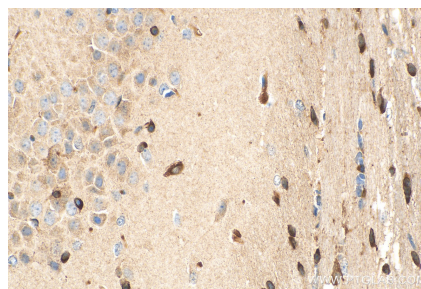
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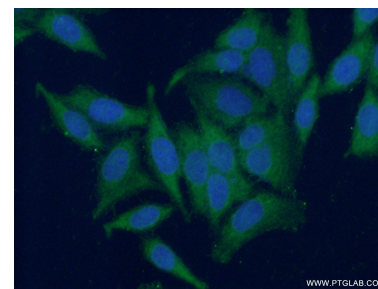
## Selected Validation Data



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).