

## FA2H Polyclonal antibody

Catalog Number: 15452-1-AP

7 Publications

## Basic Information

<b>Catalog Number:</b> 15452-1-AP	<b>GenBank Accession Number:</b> BC002679	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 79152	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:250-1:1000 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> fatty acid 2-hydroxylase	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 43 kDa	
<b>Immunogen Catalog Number:</b> AG7717	<b>Observed MW:</b> 38-43 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, WB	<b>WB :</b> HeLa cells, human brain tissue, human stomach tissue, mouse colon tissue, MKN-45 cells, SGC-7901 cells, mouse brain tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> mouse brain tissue, human colon cancer tissue, rat brain tissue
<b>Cited Species:</b> human	<b>IF :</b> HeLa cells,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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.

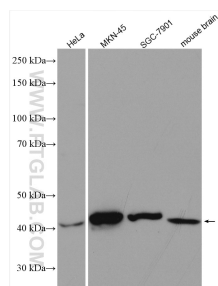
Aliquoting is unnecessary for -20°C storage

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

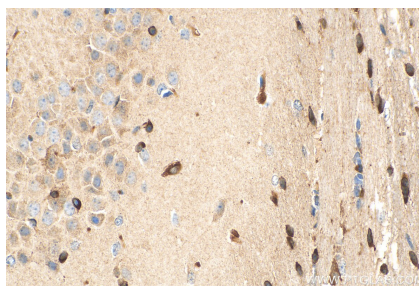
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 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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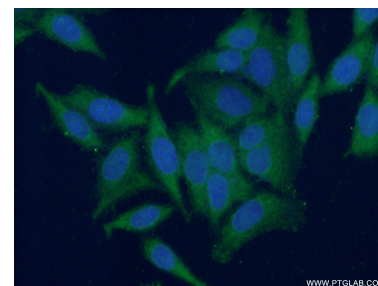
## Selected Validation Data



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 AffiniPure Goat Anti-Rabbit IgG(H+L).