

For Research Use Only

# SFXN3 Polyclonal antibody

Catalog Number: 15156-1-AP

Featured Product

4 Publications



## Basic Information

<b>Catalog Number:</b> 15156-1-AP	<b>GenBank Accession Number:</b> BC000124	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 81855	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:250-1:1000 IF/ICC 1:10-1:100
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BWM7	
<b>Isotype:</b> IgG	<b>Full Name:</b> sideroflexin 3	
<b>Immunogen Catalog Number:</b> AG7203	<b>Calculated MW:</b> 36 kDa	
	<b>Observed MW:</b> 36 kDa	

## Applications

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

**Cited Applications:**  
WB, IHC

**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 :** C6 cells, Neuro-2a cells, rat brain tissue, NIH/3T3 cells, HeLa cells, mouse brain tissue, SH-SY5Y cells

**IHC :** mouse brain tissue,

**IF/ICC :** BxPC-3 cells,

## Background Information

SFXN3, a mitochondrial membrane protein, is a member of sideroflexin family. Serum anti-SFXN3 autoantibody was elevated in early stage of the oral squamous cell carcinoma significantly, indicating its clinical value for diagnosis of oral squamous cell carcinoma.

## Notable Publications

Author	Pubmed ID	Journal	Application
Brian J Sandri	30742544	Am J Respir Crit Care Med	WB
Mariluz Soula	32778843	Nat Chem Biol	WB
Jingke Xie	37650635	Nucleic Acids Res	WB

## Storage

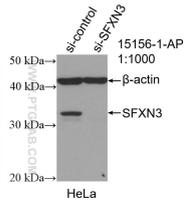
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

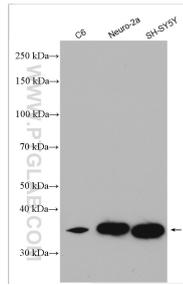
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

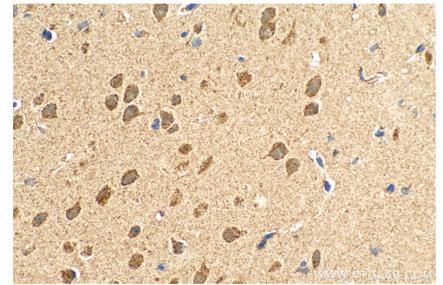
## Selected Validation Data



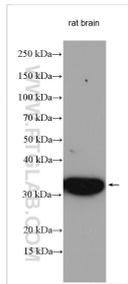
WB result of SFXN3 antibody (15156-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SFXN3 transfected HeLa cells.



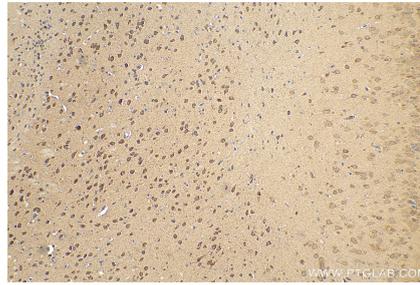
Various lysates were subjected to SDS PAGE followed by western blot with 15156-1-AP (SFXN3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



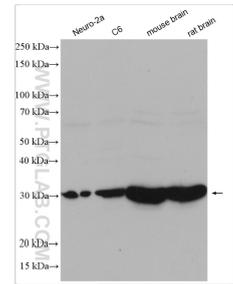
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15156-1-AP (SFXN3 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



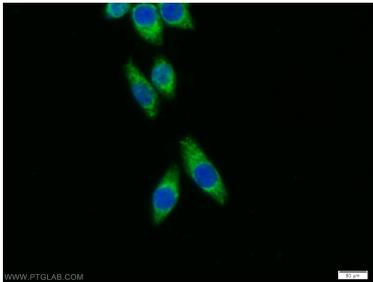
Various lysates were subjected to SDS PAGE followed by western blot with 15156-1-AP (SFXN3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15156-1-AP (SFXN3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 15156-1-AP (SFXN3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of BxPC-3 cells using 15156-1-AP (SFXN3 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).