

For Research Use Only

# ATX3,ATXN3 Monoclonal antibody

Catalog Number:67057-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 67057-1-Ig	<b>GenBank Accession Number:</b> BC033711	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2100 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4287	<b>CloneNo.:</b> 1F7E10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P54252	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG2a	<b>Full Name:</b> ataxin 3	
<b>Immunogen Catalog Number:</b> AG6627	<b>Calculated MW:</b> 370 aa, 43 kDa	
	<b>Observed MW:</b> 41-45 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells, HeLa cells, Jurkat cells, HEK-293 cells, pig brain tissue, mouse brain tissue IHC : human pancreas cancer tissue, IF/ICC : A549 cells,
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> Human, mouse, pig	
<b>Cited Species:</b> human, mouse	
<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

ATXN3, which has deubiquitinase activity and act as a component of the ubiquitin proteasome system, plays a role in transcriptional regulation and neuroprotection. ATXN3 interacts with RAD23, HHR23A and HHR23B, involves in the pathology of MJD. ATXN3 is a mixed-linkage, chain-editing enzyme and that the UIM region of ATXN3 regulates its substrate specificity. Contains an N-terminal deubiquitinating domain, called the Josephin domain, followed by 2 ubiquitin-interacting motifs (UIMs) and a polyQ tract near the C terminus. ATXN3 can be phosphorylated in a protein casein kinase-2-dependent manner, thus the MW would be larger than the predicted one.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yang Cheng	38815863	J Biol Chem	WB
Shengnan Wang	38038129	J Clin Invest	IHC

## Storage

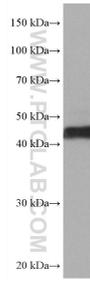
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

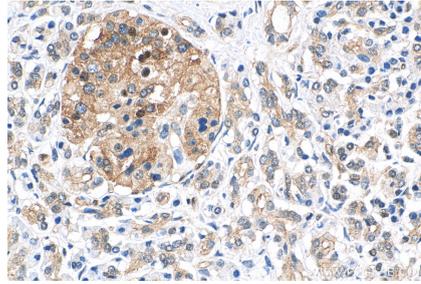
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

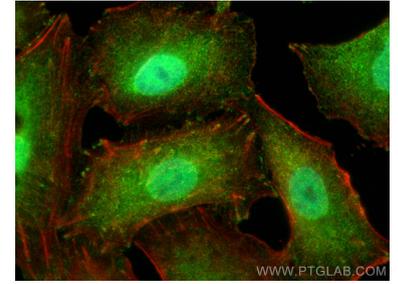
## Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 67057-1-Ig (ATX3,ATXN3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 67057-1-Ig (ATX3,ATXN3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using ATX3,ATXN3 antibody (67057-1-Ig, Clone: 1F7E10) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).