

For Research Use Only

# ATX3,ATXN3 Monoclonal antibody

Catalog Number: 67057-1-Ig **1 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> 2100 µg/ml	<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
<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> IHC, WB, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells, HeLa cells, Jurkat cells, HEK-293 cells, pig brain tissue, mouse brain tissue
<b>Cited Applications:</b> IHC	<b>IHC :</b> human pancreas cancer tissue,
<b>Species Specificity:</b> Human, mouse, pig	
<b>Cited Species:</b> mouse	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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
Shengnan Wang	38038129	J Clin Invest	IHC

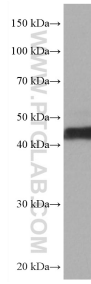
## Storage

**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

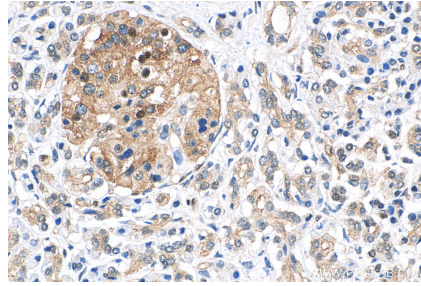
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## Selected Validation Data



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).