

For Research Use Only

Ataxin-3/ATXN3 Recombinant monoclonal antibody

Catalog Number: 87817-1-RR



Basic Information

Catalog Number: 87817-1-RR	GenBank Accession Number: GeneID (NCBI): 4287	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	UNIPROT ID: P54252	CloneNo.: 253467D4
Source: Rabbit	Full Name: ataxin 3	Recommended Dilutions: WB: 1:2000-1:10000 IHC: 1:50-1:500
Isotype: IgG	Observed MW: 35-42 kDa	
Immunogen Catalog Number: AG41832		

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse brain tissue, MCF-7 cells, Neuro-2a cells, rat brain tissue, mouse brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human bowen disease tissue,

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.

Storage

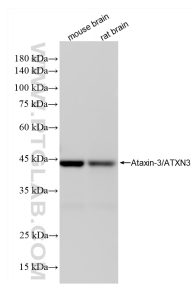
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

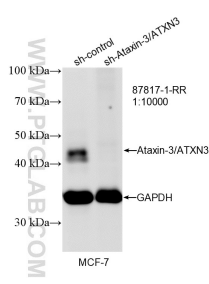
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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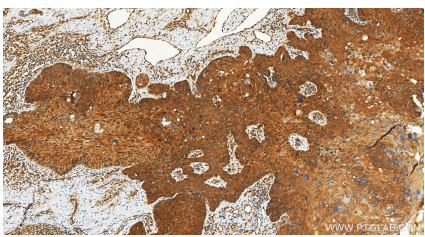
Selected Validation Data



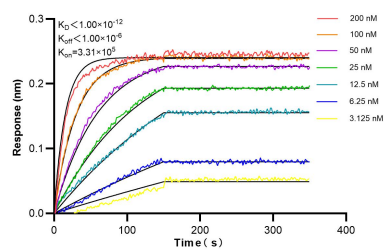
Various lysates were subjected to SDS PAGE followed by western blot with 87817-1-RR (Ataxin-3/ATXN3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of Ataxin-3/ATXN3 antibody (87817-1-RR; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Ataxin-3/ATXN3 transfected MCF-7 cells.



Immunohistochemical analysis of paraffin-embedded human Bowen disease tissue slide using 87817-1-RR (Ataxin-3/ATXN3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 87817-1-RR against Human Ataxin-3/ATXN3 were performed. The affinity constant is below 1 pM.