

For Research Use Only

Ataxin-3/ATXN3 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87817-1-PBS



Basic Information

Catalog Number:

87817-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG41832

GenBank Accession Number:

GeneID (NCBI):

4287

UNIPROT ID:

P54252

Full Name:

ataxin 3

Observed MW:

35-42 kDa

Purification Method:

Protein A purification

CloneNo.:

253467D4

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

Storage Buffer:

PBS only, pH7.3

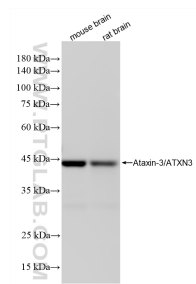
For technical support and original validation data for this product please contact:

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

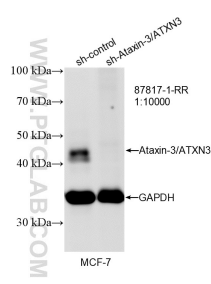
E: proteintech@ptglab.com
W: ptglab.com

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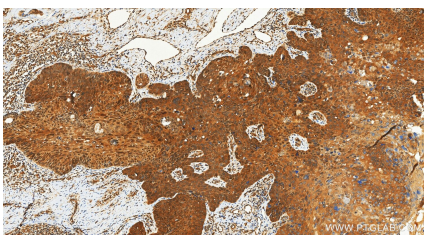
Selected Validation Data



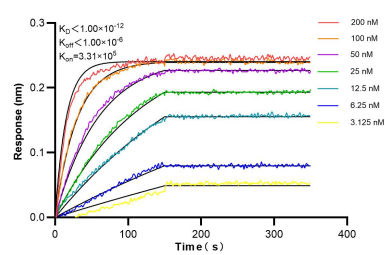
Various lysates were subjected to SDS PAGE followed by western blot with 87817-1-RR (Ataxin-3/ATXN3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87817-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 87817-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 87817-1-PBS in a different storage buffer formulation.



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