

Ataxin-3/ATXN3 Recombinant monoclonal antibody

Catalog Number: 87817-1-RR

Basic Information

Catalog Number:

87817-1-RR

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

Recommended Dilutions:

WB: 1:2000-1:10000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

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 : mouse brain tissue, MCF-7 cells, Neuro-2a cells, rat brain tissue, mouse brain tissue

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 kinase-2-dependent manner, thus the MW would be larger than the predicted one.

Storage

Storage:

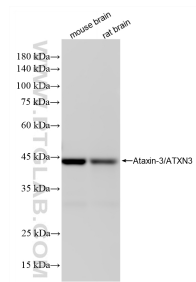
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

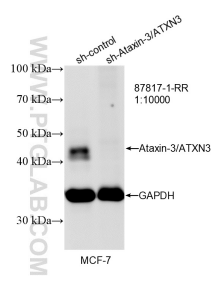
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

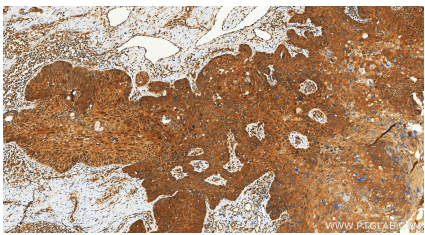
Selected Validation Data



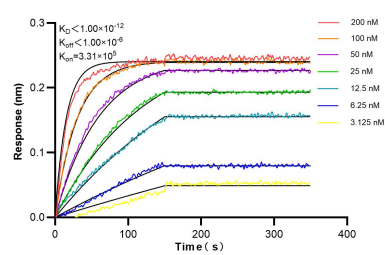
Various lysates were subjected to SDS PAGE followed by western blot with 87817-1-RR (Ataxin-3/ATXN3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.