# ATXN7L2 polyclonal antibody

Catalog: BS60708 Host: Rabbit Reactivity: Human,Mouse,Rat

## BackGround:

SCA7 is an autosomal dominant neurodegenerative disorder characterized by ataxia and selective neuronal cell loss caused by the expansion of a translated CAG repeat encoding a polyglutamine tract in ataxin-7, which is the SCA7 gene product. Ataxin-7 is a nuclear protein that is expressed within neurons both affected and unaffected in SCA7 pathology with subcellular localization being variable depending upon the neuronal subtype. Polyglutamine expanded in ataxin-7 may carry out its pathogenic effects in the nucleus by altering the matrix-associated nuclear structure and/or by disrupting nucleolar function.ATXN7L2 (Ataxin-7-like protein 2) is a 722 amino acid protein that contains a SCA7 domain, which is highly conserved through all members of the ATXN7 gene family. The gene encoding ATXN7L2 maps to human chromosome 1, the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome.

## Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

## Molecular Weight:

~ 77 kDa

## Swiss-Prot:

Q5T6C5

## Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

## Applications:

WB: 1:500~1:1000

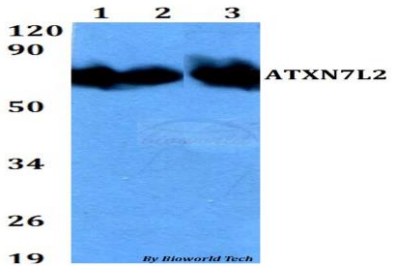
## Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

## Specificity:

ATXN7L2 polyclonal antibody detects endogenous levels of ATXN7L2 protein.

## DATA:




Western blot (WB) analysis of ATXN7L2 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:H9C2 whole cell lysate

## Note:

For research use only, not for use in diagnostic procedure.

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