

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Ataxin-2 (F774) Peptide

Cat No.: BS3811P

Background

Ataxin-2, the gene product of the human spinocerebellar ataxia type 2 (SCA2/ATXN2) gene, is a basic protein with two domains (Sm1 and Sm2) implicated in RNA splicing and protein interaction. Ataxin-2 interacts with a putative RNA-binding protein ataxin-2-binding-protein 1 (A2BP1), which is expressed in muscle and brain. Ataxin-2 is ubiquitously expressed with highest levels in the cytoplasm of Purkinje cells. Both A2BP1 and ataxin-2 are localized to the trans-Golgi network. Mice expressing ataxin-2 with polyglutamine show progressive functional deficits accompanied by loss of Purkinje cell dendritic arbor and eventually loss of Purkinje cells. In conclusion, expansion of ataxin-2 results in spinocerebellar ataxia type 2, which affects the cerebellum and other areas of the central nervous system.

Swiss-Prot

Q99700

Applications

Blocking

Specificity

This peptide can be used with studies using BS3811 Ataxin-2 (F774) pAb.

Purification & Purity

Synthetic peptide Ataxin-2 (F774). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

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

Research Use

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