



## Ataxin-2 (F774) polyclonal antibody

Catalog: BS3811

Host: Rabbit

Reactivity: Human

### 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.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 140 kDa

### Swiss-Prot:

Q99700

### 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

IHC: 1:50~1:200

### Storage&Stability:

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

### Specificity:

Ataxin-2 (F774) polyclonal antibody detects endogenous levels of Ataxin-2 protein.

### DATA:

Immunohistochemistry (IHC) analyzes of Ataxin-2 (F774) pAb in paraffin-embedded human breast cancer tissue.

### Note:

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

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