

**bs-11318R****[ Primary Antibody ]**

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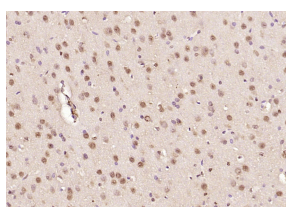
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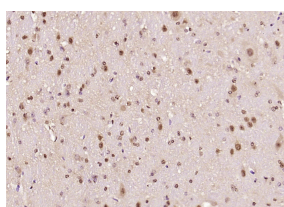
400-901-9800

**Ataxin 7 Rabbit pAb****— DATASHEET —**

|   |                      |  |
|---|----------------------|--|
| <b>Host:</b> Rabbit   | <b>Isotype:</b> IgG  | <b>Applications:</b> IHC-P (1:100-500)   |
| <b>Clonality:</b> Polyclonal  |                      | <b>IHC-F</b> (1:100-500)   |
| <b>GeneID:</b> 6314   | <b>SWISS:</b> O15265 | <b>IF</b> (1:100-500)  |
| <b>Target:</b> Ataxin 7   |                      | <b>Reactivity:</b> Mouse, Rat<br>(predicted: Human, Rabbit,<br>Pig, Sheep, Cow, Dog,<br>Horse) |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Ataxin 7:<br>301-400/892.   |                      | <b>Predicted MW.:</b> 95 kDa   |
| <b>Purification:</b> affinity purified by Protein A   |                      | <b>Subcellular Location:</b> Cytoplasm ,Nucleus  |
| <b>Concentration:</b> 1mg/ml  |                      |  |
| <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.  |                      |  |
| <b>Background:</b> The human ataxin-7 gene, also known as spinocerebellar ataxia 7 or SCA7, maps to chromosome 3p13-p12, has a 2,727-bp open reading frame, and encodes a 892 amino acid protein containing a nuclear localization signal and a polyglutamine tract (1,2). 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 (3,4). Ataxin-7 is expressed within neurons both affected and unaffected in SCA7 pathology with subcellular localization being variable depending upon the neuronal subtype (5). 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 (6). |                      |  |

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Ataxin 7) Polyclonal Antibody, Unconjugated (bs-11318R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Ataxin 7) Polyclonal Antibody, Unconjugated (bs-11318R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.