**Product datasheet**

**Anti-Ataxin 3 antibody ab96316**

★★★★★ 3 Abreviews   2 Images

---

**Overview**

**Product name**  Anti-Ataxin 3 antibody  
**Description**  Rabbit polyclonal to Ataxin 3  
**Host species**  Rabbit  
**Tested applications**  Suitable for: WB, ICC/IF  
**Species reactivity**  Reacts with: Human  
**Predicted to work with:** Mouse, Rat, Cow, Pig  
**Immunogen**  Recombinant fragment, corresponding to a region within the N terminal amino acids 1-215 of Human Ataxin 3 (AAH33711).  
**Positive control**  NT2D1, IMR32 and U-87MG cells

---

**Properties**

**Form**  Liquid  
**Storage instructions**  Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.  
**Storage buffer**  Preservative: 0.01% Thimerosal (merthiolate)  
Constituents: 20% Glycerol, 0.1M Tris, 0.1M Glycine, pH 7.0  
**Purity**  Immunogen affinity purified  
**Clonality**  Polyclonal  
**Isotype**  IgG

---

**Applications**

Our Abpromise guarantee covers the use of ab96316 in the following tested applications.  
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICC/IF</td>
<td>★★★★🌟</td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td><strong>Function</strong></td>
<td>Interacts with key regulators (CBP, p300 and PCAF) of transcription and represses transcription. Acts as a histone-binding protein that regulates transcription. Acts as a deubiquitinating enzyme.</td>
<td></td>
</tr>
<tr>
<td><strong>Tissue specificity</strong></td>
<td>Ubiquitous.</td>
<td></td>
</tr>
<tr>
<td><strong>Involvement in disease</strong></td>
<td>Defects in ATXN3 are the cause of spinocerebellar ataxia type 3 (SCA3) [MIM:109150]; also known as Machado-Joseph disease (MJD). Spinocerebellar ataxia is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCA3 belongs to the autosomal dominant cerebellar ataxias type I (ADCA I) which are characterized by cerebellar ataxia in combination with additional clinical features like optic atrophy, ophthalmoplegia, bulbar and extrapyramidal signs, peripheral neuropathy and dementia. The molecular defect in SCA3 is the a CAG repeat expansion in ATXN3 coding region. Longer expansions result in earlier onset and more severe clinical manifestations of the disease.</td>
<td></td>
</tr>
<tr>
<td><strong>Sequence similarities</strong></td>
<td>Contains 1 Josephin domain. Contains 3 UIM (ubiquitin-interacting motif) repeats.</td>
<td></td>
</tr>
<tr>
<td><strong>Cellular localization</strong></td>
<td>Nucleus matrix. Predominantly nuclear, but not exclusively, inner nuclear matrix.</td>
<td></td>
</tr>
</tbody>
</table>

### Images

Anti-Ataxin 3 antibody (ab96316) at 1/1000 dilution + U-87MG whole cell lysate at 30 µg

**Predicted band size:** 42 kDa

10% SDS PAGE
Immunocytochemistry/ Immunofluorescence - Anti-Ataxin 3 antibody (ab96316)

ab96316 (1:250) staining Ataxin 3 in human brain SK-N-SH cells by Immunocytochemistry / Immunofluorescence. Cells were fixed in 4% paraformaldehyde at RT for 15 mins.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit http://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors