

## Goat ATXN3 Polyclonal Antibody | anti-ATXN3 antibody

ATXN3 Polyclonal Antibody

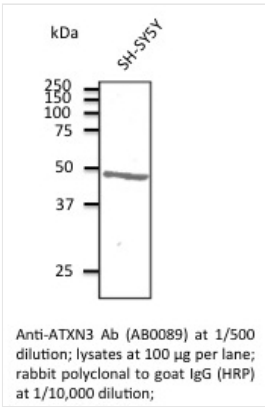
| CATALOG # | HOST | REACTIVITY                                                                                                                         | APPLICATIONS |
|-----------|------|------------------------------------------------------------------------------------------------------------------------------------|--------------|
| AAA63075  | Goat | Human, mouse, rat, bovine, canine, chicken/avian, donkey, feline, goat, guinea pig, hamster, horse, porcine, rabbit, sheep, simian | Western Blot |

### PRODUCT SYNONYMS

ATXN3; Polyclonal Antibody; ATXN3 Polyclonal Antibody; Anti-ATXN3; AT3; ATX3; ataxin-3; ataxin 3 variant h; autosomal dominant ataxin 3; ataxin 3 variant m; ataxin 3 variant ref; JOS; josephin; Machado-Joseph; Machado-Joseph disease protein 1; MJD; MJD1; SCA3; spinocerebellar ataxia 3; olivopontocerebellar ataxia 3; spinocerebellar ataxia type 3 protein antibody; anti-ATXN3 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                      |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Goat                                                                                                                                                                                 |
| Reactivity                                      | Human, mouse, rat, bovine, canine, chicken/avian, donkey, feline, goat, guinea pig, hamster, horse, porcine, rabbit, sheep, simian                                                   |
| Clonality                                       | Polyclonal                                                                                                                                                                           |
| Isotype                                         | IgG                                                                                                                                                                                  |
| Specificity                                     | Detects levels of ATXN3 protein in transfected cells with GFP-ATXN3 and endogenous levels in U118, SH-SY5Y, At-T20 and hTERT cell lysates by Western blot.                           |
| Form/Format                                     | Polyclonal antibody supplied as (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.                       |
| Sequence Length                                 | 310                                                                                                                                                                                  |
| Applicable Applications for anti-ATXN3 antibody | WB (Western Blot)                                                                                                                                                                    |
| Gene Identifier                                 | ENSG00000066427                                                                                                                                                                      |
| Immunogen                                       | Purified recombinant peptide derived from within residues 120 aa to 250 aa of human ATXN3 produced in E. coli.                                                                       |
| Antigen                                         | Purified recombinant peptide derived from within residues 120 aa to 250 aa of human ATXN3 produced in E. coli.                                                                       |
| Handling                                        | The antibody solution should be gently mixed before use.                                                                                                                             |
| Preparation and Storage                         | For continuous use, store at 2-8 deg;C for one-two days. For extended storage, store in -20 deg;C freezer. Working dilution samples should be discarded if not used within 12 hours. |



| Reactivity chart |              |                     |                           |                           |
|------------------|--------------|---------------------|---------------------------|---------------------------|
| Sample           | Western Blot | Immuno-fluorescence | Immuno-Histochemistry (p) | Immuno-Histochemistry (f) |
| human            | +++          | ND                  | ND                        | ND                        |
| rat              | +++          | ND                  | ND                        | ND                        |
| mouse            | +++          | ND                  | ND                        | ND                        |
| canine           | +++          | ND                  | ND                        | ND                        |
| monkey           | +++          | ND                  | ND                        | ND                        |

Reactivity Data

Application Data

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ATXN3 antibody | <p>Ataxin 3</p> <p>Goat polyclonal antibody to ATXN3. This protein appears to be a component of the ubiquitin proteasome system and has deubiquitinase activity. It may also have roles in neuroprotection, protein homeostasis maintenance, transcriptional and cytoskeleton regulation, myogenesis and degradation of misfolded chaperone substrates. The protein contains Qn repeats in the coding region, and the expansion of these repeats from the normal 13-36 to 68-79 is one cause of Machado-Joseph disease also known as spinocerebellar ataxia-3, an autosomal dominant neurologic disorder.</p> |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 258613999                                                                                                                                                                                                                                                                                                |
| NCBI GeneID                      | 4287                                                                                                                                                                                                                                                                                                     |
| NCBI Accession #                 | NP_001121169.2                                                                                                                                                                                                                                                                                           |
| NCBI GenBank Nucleotide #        | NM_001127697.2                                                                                                                                                                                                                                                                                           |
| UniProt Accession #              | P54252; O15284; O15285; O15286; Q8N189; Q96TC3; Q96TC4; Q9H3N0; A7LFZ5; D6RDL9; E9PB63                                                                                                                                                                                                                   |
| Molecular Weight                 | 41,781 Da                                                                                                                                                                                                                                                                                                |
| NCBI Official Full Name          | ataxin-3 isoform e                                                                                                                                                                                                                                                                                       |
| NCBI Official Synonym Full Names | ataxin 3                                                                                                                                                                                                                                                                                                 |
| NCBI Official Symbol             | ATXN3                                                                                                                                                                                                                                                                                                    |
| NCBI Official Synonym Symbols    | AT3; JOS; MJD; ATX3; MJD1; SCA3; RP11-529H20.5                                                                                                                                                                                                                                                           |
| NCBI Protein Information         | ataxin-3; josephin; ataxin 3 variant h; ataxin 3 variant m; ataxin 3 variant ref; olivopontocerebellar ataxia 3; Machado-Joseph disease protein 1; spinocerebellar ataxia type 3 protein; Machado-Joseph disease (spinocerebellar ataxia 3, olivopontocerebellar ataxia 3, autosomal dominant, ataxin 3) |
| UniProt Protein Name             | Ataxin-3                                                                                                                                                                                                                                                                                                 |
| UniProt Gene Name                | ATXN3                                                                                                                                                                                                                                                                                                    |
| UniProt Synonym Gene Names       | ATX3; MJD; MJD1; SCA3                                                                                                                                                                                                                                                                                    |
| UniProt Entry Name               | ATX3_HUMAN                                                                                                                                                                                                                                                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

