

# ATN1 rabbit monoclonal antibody

Catalog # H00001822-K      Size 100 ug x up to 3

## Specification

|                         |                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description     | Rabbit monoclonal antibody raised against a human ATN1 peptide using ARM Technology.                                                                                                                                                                                         |
| Immunogen               | A synthetic peptide of human ATN1 is used for rabbit immunization.<br>Customer or Abnova will decide on the preferred peptide sequence.                                                                                                                                      |
| Host                    | Rabbit                                                                                                                                                                                                                                                                       |
| Library Construction    | Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).                                                                                                                                                                                           |
| Expression              | Overexpression vector and transfection into 293H cell line.                                                                                                                                                                                                                  |
| Reactivity              | Human                                                                                                                                                                                                                                                                        |
| Purification            | Protein A                                                                                                                                                                                                                                                                    |
| Isotype                 | IgG                                                                                                                                                                                                                                                                          |
| Quality Control Testing | Antibody reactive against human ATN1 peptide by ELISA and mammalian transfected lysate by Western Blot.                                                                                                                                                                      |
| Storage Buffer          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                            |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                     |
| Deliverable             | Up to three rabbit IgG clones of 100 ug each will be delivered to customer.                                                                                                                                                                                                  |
| Note                    | 1. Customer may provide cell or tissue lysate for antibody screening.<br>2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request. |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — ATN1

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">1822</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| GeneBank Accession# | <a href="#">ATN1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Name           | ATN1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Alias          | B37, D12S755E, DRPLA, NOD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Description    | atrophin 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Omim ID             | <a href="#">125370 607462</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Summary        | Dentatorubral pallidoluysian atrophy is a rare neurodegenerative disorder characterized by cerebellar ataxia, myoclonic epilepsy, choreoathetosis, and dementia. The disorder is related to the expansion of a trinucleotide repeat within this gene. The encoded protein includes a serine repeat and a region of alternating acidic and basic amino acids, as well as the variable glutamine repeat. Alternative splicing results in two transcripts variants that encode the same protein. [provided by RefSeq] |
| Other Designations  | atrophin-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Disease

- [Epilepsy](#)
- [Fragile X syndrome](#)
- [Friedreich Ataxia](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Huntington disease](#)
- [Muscular Atrophy](#)
- [Myoclonic Cerebellar Dyssynergia](#)
- [Myoclonic Epilepsies](#)

- [Myotonic dystrophy](#)
- [Parkinson disease](#)
- [Schizophrenia](#)
- [Spinal muscular atrophy](#)
- [Spinocerebellar ataxia](#)
- [Spinocerebellar Ataxias](#)