



# Atrophin-1 rabbit pAb

Cat No.:ES1734

For research use only

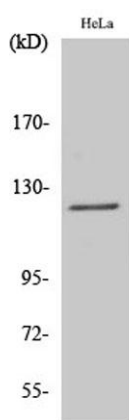
## Overview

<b>Product Name</b>	Atrophin-1 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ATN1. AA range:81-130
<b>Specificity</b>	Atrophin-1 Polyclonal Antibody detects endogenous levels of Atrophin-1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Atrophin-1
<b>Gene Name</b>	ATN1
<b>Cellular localization</b>	Nucleus. Cytoplasm, perinuclear region. Cell junction . Shuttles between nucleus and cytoplasm. Colocalizes with FAT1 in the perinuclear area, at cell-cell junctions and leading edges of cells (By similarity). Colocalizes with MTG8 in discrete nuclear dot
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	130kD
<b>Human Gene ID</b>	1822
<b>Human Swiss-Prot Number</b>	P54259
<b>Alternative Names</b>	ATN1; D12S755E; DRPLA; Atrophin-1; Dentatorubral-pallidoluysian atrophy protein
<b>Background</b>	Dentatorubral pallidoluysian atrophy (DRPLA) is a rare neurodegenerative disorder characterized by





cerebellar ataxia, myoclonic epilepsy, choreoathetosis, and dementia. The disorder is related to the expansion from 7-35 copies to 49-93 copies of a trinucleotide repeat (CAG/CAA) 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, Jul 2016],



Western Blot analysis of various cells using Atrophin-1 Polyclonal Antibody

