Product Name: Atrophin-1 Rabbit Polyclonal Antibody
Catalog #: APRab07356

Summary

Production Name	Atrophin-1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	ATN1
Alternative Names	ATN1; D12S755E; DRPLA; Atrophin-1; Dentatorubral-pallidoluysian atrophy protein
Gene ID	1822.0
SwissProt ID	P54259.The antiserum was produced against synthesized peptide derived from human ATN1. AA range:81-130

Application

Dilution Ratio	WB 1:500-1:2000. ELISA: 1:5000.
Molecular Weight	130kD

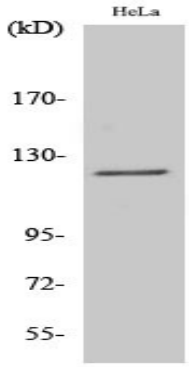
Background

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],disease:Defects in ATN1 are the cause of dentatorubral-pallidoluysian atrophy (DRPLA) [MIM:125370]. DRPLA is an autosomal dominant neurodegenerative disorder characterized by a loss of neurons in the dentate nucleus, rubrum, glogus pallidus and Luys'body. Clinical features are myoclonus epilepsy, dementia, and cerebellar ataxia. Onset of the disease occurs usually in the second decade of life and death in the fourth.,polymorphism:The poly-Gln region of ATN1 is highly polymorphic (7 to 23 repeats) in the normal population and is expanded to about 49-75 repeats in DRPLA and HRS patients. Longer expansions result in earlier onset and more severe clinical manifestations of the disease.,subunit:Interacts with BAIAP2, WWP1, WWP2, WWP3 and RERE.,tissue specificity:Relatively high levels in the brain, ovary, testis and prostate. Lower levels in the liver, thymus and leukocytes.,

Research Area

Image Data



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

Note

For research use only.