

Atrophin-1 Polyclonal Antibody

Catalog # AP68602

Product Information

Application	WB, E
Primary Accession	P54259
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	125414

Additional Information

Gene ID	1822
Other Names	ATN1; D12S755E; DRPLA; Atrophin-1; Dentatorubral-pallidoluysian atrophy protein
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

Name	ATN1
Synonyms	D12S755E, DRPLA
Function	Transcriptional corepressor. Recruits NR2E1 to repress transcription. Promotes vascular smooth cell (VSMC) migration and orientation (By similarity). Corepressor of MTG8 transcriptional repression. Has some intrinsic repression activity which is independent of the number of poly-Gln (polyQ) repeats.
Cellular Location	Nucleus. Cytoplasm, perinuclear region. Cell junction {ECO:0000250 UniProtKB:P54258}. Note=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 dots. Proteolytic fragment F1 appears to remain in nucleus. Fragment F2 is exported into the cytoplasm. Fragment F2 from mutant sequences with longer poly-Gln (polyQ) tracts are additionally located to the cytoplasmic membrane and to certain organelles.

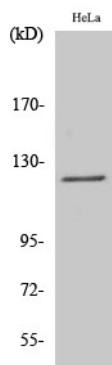
Tissue Location

Widely expressed in various tissues including heart, lung, kidney, ovary, testis, prostate, placenta, skeletal Low levels in the liver, thymus and leukocytes. In the adult brain, broadly expressed in amygdala, caudate nucleus, corpus callosum, hippocampus, hypothalamus, substantia nigra, subthalamic nucleus, and thalamus. High levels in fetal tissues, especially brain.

Background

Transcriptional corepressor. Recruits NR2E1 to repress transcription. Promotes vascular smooth cell (VSMC) migration and orientation (By similarity). Corepressor of MTG8 transcriptional repression. Has some intrinsic repression activity which is independent of the number of poly-Gln (polyQ) repeats.

Images



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

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