

Atrophin-1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51002**Specification**

Atrophin-1 Antibody - Product Information

Application	WB
Primary Accession	P54259
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	150 KDa
Antigen Region	71 - 130

Atrophin-1 Antibody - Additional Information**Gene ID** 1822**Other Names**

Atrophin-1, Dentatorubral-pallidoluysian atrophy protein, ATN1, D12S755E, DRPLA

Target/Specificity

KLH conjugated synthetic peptide derived from human Atrophin-1

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Atrophin-1 Antibody - 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

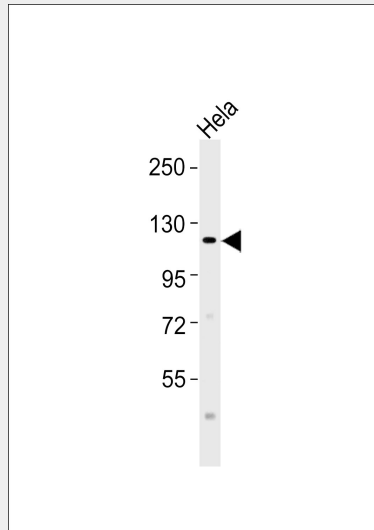
Widely expressed in various tissues including heart, lung, kidney, ovary, testis, prostate, placenta, skeletal Low levels in the liver, thymus and leukocytes. In the adult brain, broadly expressed in amygdala, caudate nucleus, corpus callosum, hippocampus, hypothalamus, substantia nigra, subthalamic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

Atrophin-1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Atrophin-1 Antibody - Images



Anti-Atrophin-1 Antibody at 1:1000 dilution + HeLa whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 125 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Atrophin-1 Antibody - 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-Asn (polyQ) repeats.

Atrophin-1 Antibody - References

- Nagafuchi S.,et al.Nat. Genet. 8:177-182(1994).
Onodera O.,et al.Am. J. Hum. Genet. 57:1050-1060(1995).
Margolis R.L.,et al.Brain Res. Mol. Brain Res. 36:219-226(1996).
Ansari-Lari M.A.,et al.Genome Res. 7:268-280(1997).
Yanagisawa H.,et al.Hum. Mol. Genet. 5:373-379(1996).