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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.

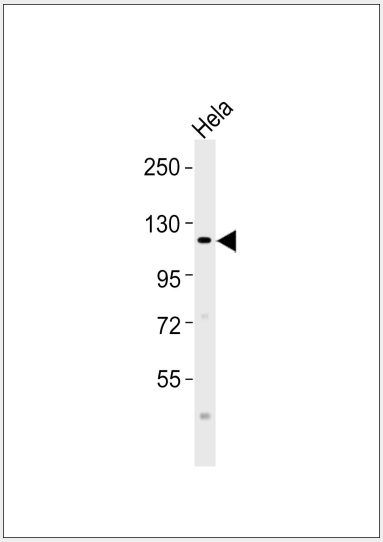
Tissue Location
Widely expressed in various tissues including heart, lung, kidney, ovary, testis, prostate, placenta, skeletal Low levels in the liver, thymus and leukocytes. In the adult brain, broadly expressed in amygdala, caudate nucleus, corpus callosum, hippocampus, hypothalamus, substantia nigra, 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 Cytomety
- 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).
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Yanagisawa H.,et al.Hum. Mol. Genet. 5:373-379(1996).