

Anti-ATX2 Antibody

Catalog # ABO11404

Product Information

Application	WB
Primary Accession	Q99700
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Ataxin-2(ATXN2) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	6311
Other Names	Ataxin-2, Spinocerebellar ataxia type 2 protein, Trinucleotide repeat-containing gene 13 protein, ATXN2, ATX2, SCA2, TNRC13
Calculated MW	140283
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse
Subcellular Localization	Cytoplasm .
Tissue Specificity	Expressed in the brain, heart, liver, skeletal muscle, pancreas and placenta. Isoform 1 is predominant in the brain and spinal cord. Isoform 4 is more abundant in the cerebellum. In the brain, broadly expressed in the amygdala, caudate nucleus, corpus callosum, hippocampus, hypothalamus, substantia nigra, subthalamic nucleus and thalamus. .
Source	Eukaryota
Protein Name	Ataxin-2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ATX2(1293-1313aa TTAHFPYMTHTPSVQAHHQQQL), identical to the related mouse sequence.
Purification	Immunogen affinity purified.

Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.

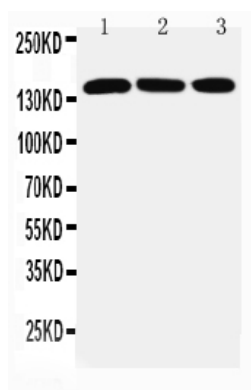
Protein Information

Name	ATXN2
Synonyms	ATX2, SCA2, TNRC13
Function	Involved in EGFR trafficking, acting as negative regulator of endocytic EGFR internalization at the plasma membrane.
Cellular Location	Cytoplasm.
Tissue Location	Expressed in the brain, heart, liver, skeletal muscle, pancreas and placenta. Isoform 1 is predominant in the brain and spinal cord. Isoform 4 is more abundant in the cerebellum. In the brain, broadly expressed in the amygdala, caudate nucleus, corpus callosum, hippocampus, hypothalamus, substantia nigra, subthalamic nucleus and thalamus.

Background

Ataxin-2, the protein encoded by the ATXN2 gene, contains a polyglutamine tract, long expansions(greater than 33 repeats) of which result in spinocerebellar ataxia-2(SCA2), an autosomal dominant form of olivopontocerebellar atrophy. The gene for spinocerebellar ataxia type 2(SCA2) has been mapped to 12q24.1. Ataxin-2 associates with L- and T-plastin and that overexpression of ataxin-2 leads to accumulation of T-plastin in mammalian cells.

Images



Anti-ATX2 antibody, ABO11404, Western blotting
Lane 1: PANC Cell Lysate
Lane 2: SMMC Cell Lysate
Lane 3: HELA Cell Lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.