

ATXN2L (S-17): sc-241874

BACKGROUND

ATXN2L (ataxin-2-like protein) is a 1,075 amino acid peripheral membrane protein that belongs to the ataxin-2 family. Expressed at high levels in thymus, lymph node, spleen, fetal kidney and adult testis, ATXN2L interacts with c-Mpl and EpoR, and dissociates after ligand stimulation. ATXN2L associates with the thrombopoietin receptor, c-Mpl, and is a component of a cytokine signaling cascade following receptor activation. ATXN2L contains three domains that share significant homology with Ataxin-2. The N terminus of ATXN2L has eight interrupted glutamines replacing the polyglutamine tract of Ataxin-2. The ATXN2L gene is conserved in chimpanzee, canine, bovine, mouse, rat, zebra-fish, *M. grisea* and *N. crassa*, exists as seven alternatively spliced isoforms, and maps to human chromosome 16p11.2. Deletions to the 16p11 region are associated with early-onset IBD susceptibility, adult-onset Crohn's disease and adult-onset ulcerative colitis.

REFERENCES

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STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

CHROMOSOMAL LOCATION

Genetic locus: *Atxn2l* (mouse) mapping to 7 F3.

SOURCE

ATXN2L (S-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ATXN2L of rat origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-241874 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ATXN2L (S-17) is recommended for detection of ATXN2L of mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ATXN2L siRNA (m): sc-141377, ATXN2L shRNA Plasmid (m): sc-141377-SH and ATXN2L shRNA (m) Lentiviral Particles: sc-141377-V.

Molecular Weight of ATXN2L isoforms: 113/112/116/110/103/43 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker[™] compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker[™] Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz[™] Mounting Medium: sc-24941.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.