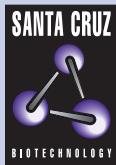


ANKRD46 (G-12): sc-87548



BACKGROUND

ANKRD46 (ankyrin repeat domain-containing protein 46), also known as ANK-S, is a 232 amino acid single-pass membrane protein that contains four ankyrin repeats and is expressed as two alternatively spliced isoforms. The gene encoding ANKRD46 localizes to chromosome 8. Consisting of nearly 146 million base pairs, chromosome 8 encodes over 800 genes and is associated with a variety of diseases and malignancies. Schizophrenia, bipolar disorder, Trisomy 8, Pfeiffer syndrome, congenital hypothyroidism, Waardenburg syndrome and some leukemias and lymphomas are thought to occur as a result of defects in specific genes that map to chromosome 8.

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CHROMOSOMAL LOCATION

Genetic locus: ANKRD46 (human) mapping to 8q22.3; Ankrd46 (mouse) mapping to 15 B3.1.

SOURCE

ANKRD46 (G-12) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of ANKRD46 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

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

APPLICATIONS

ANKRD46 (G-12) is recommended for detection of ANKRD46 of mouse, rat and human 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); non cross-reactive with other ANKRD family members.

Suitable for use as control antibody for ANKRD46 siRNA (h): sc-77639, ANKRD46 siRNA (m): sc-141105, ANKRD46 shRNA Plasmid (h): sc-77639-SH, ANKRD46 shRNA Plasmid (m): sc-141105-SH, ANKRD46 shRNA (h) Lentiviral Particles: sc-77639-V and ANKRD46 shRNA (m) Lentiviral Particles: sc-141105-V.

Molecular Weight of ANKRD46: 26 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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 goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

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

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.