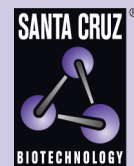


POTE8 (N-12): sc-98083



The Power to Question

BACKGROUND

POTE8 (Prostate, ovary, testis-expressed protein on chromosome 8), also known as A26A1 (ANKRD26-like family A member 1) or POTE A (POTE ankyrin domain family, member A), is a 498 amino acid protein that contains five ANK repeats and is thought to participate in signaling events during reproductive development. POTE8 exists as two alternatively spliced isoforms which are encoded by a gene that maps to human 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: POTE A (human) mapping to 8p11.1; (mouse) mapping to .

SOURCE

POTE8 (N-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of POTE8 of human 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-98083 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

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.

APPLICATIONS

POTE8 (N-12) is recommended for detection of POTE8 of 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).

Suitable for use as control antibody for POTE8 siRNA (h): sc-77486, POTE8 shRNA Plasmid (h): sc-77486-SH and POTE8 shRNA (h) Lentiviral Particles: sc-77486-V.

Molecular Weight of POTE8 : 56 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™