

INE1 (C-19): sc-243080

BACKGROUND

INE1 (inactivation escape 1 protein) is a 51 amino acid protein that is highly expressed in pancreas, heart and liver followed by brain, placenta, lung, skeletal muscle and kidney. It is suggested that INE1 is mostly expressed in females. INE1 is encoded by a gene located human chromosome X, which consists of about 153 million base pairs and nearly 1,000 genes. The combination of the sex chromosomes, X and Y, lead to normal male development while two copies of X lead to normal female development. There are a number of inherited conditions that is associated with the sex chromosomes. More than one copy of the X chromosome with a Y chromosome causes Klinefelter's syndrome. A single copy of X alone leads to Turner's syndrome. More than 2 copies of the X chromosome, in the absence of a Y chromosome, is known as Triple X syndrome. Color blindness, hemophilia, and Duchenne muscular dystrophy are well known X chromosome-linked conditions which affect males more frequently as males carry a single X chromosome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: INE1 (human) mapping to Xp11.23.

SOURCE

INE1 (C-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of INE1 of human origin.

RESEARCH USE

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

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-243080 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

INE1 (C-19) is recommended for detection of INE1 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 INE1 siRNA (h): sc-91249, INE1 shRNA Plasmid (h): sc-91249-SH and INE1 shRNA (h) Lentiviral Particles: sc-91249-V.

Molecular Weight of INE1: 5 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.

STORAGE

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

PROTOCOLS

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