



# INSM2 (K-23): sc-101985

## BACKGROUND

Insulinoma-associated protein 2 (INSM2), also known as zinc-finger protein IA-6, is a 566 amino acid nuclear protein. INSM2 is believed to act as a growth or tumor suppressor in certain neurons and in liver cells. INSM2 contains five zinc-finger C2H2-type domains which bind nucleic acids. Zinc-fingers are composed of 25-30 amino acid residues and have the ability to bind about five nucleotides. C2H2-type zinc-fingers have two cysteines on one extremity of the domain, and two histidines on the other extremity. These four cysteines and histidines interact with one zinc atom, resulting in the finger-like conformation of the domain. It is believed that the C2H2-type zinc-fingers require the binding of a zinc atom in order for the finger to bind DNA or RNA.

## 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.

## RESEARCH USE

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

## CHROMOSOMAL LOCATION

Genetic locus: INSM2 (human) mapping to 14q13.2.

## SOURCE

INSM2 (K-23) is a purified rabbit polyclonal antibody raised against INSM2 of human origin.

## PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

## APPLICATIONS

INSM2 (K-23) is recommended for detection of INSM2 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for INSM2 siRNA (h): sc-92409, INSM2 shRNA Plasmid (h): sc-92409-SH and INSM2 shRNA (h) Lentiviral Particles: sc-92409-V.

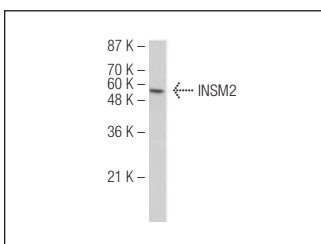
Molecular Weight of INSM2: 59 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

## 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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

## DATA



INSM2 (K-23): sc-101985. Western blot analysis of INSM2 expression in Jurkat whole cell lysate.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.