



Rabbit Anti-INSM2 antibody

SL16676R

Product Name:	INSM2
Chinese Name:	胰岛素瘤相关蛋白2抗体
Alias:	IA 6; IA6; INSM2_HUMAN; Insulinoma associated 2; Insulinoma associated protein 2; mlt1; Zinc finger protein IA 6; Zinc finger protein IA6.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	58kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human INSM2:401-500/566
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	INSM2 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.

Function:

INSM2 may function as a growth suppressor or tumor suppressor in liver cells and in certain neurons.

Subcellular Location:

Nuclear

Tissue Specificity:

Expressed in heart, liver, skeletal muscle, kidney and pancreas, and, to a lesser extent, in brain, lung and spleen. In the pancreas, expressed in islet cells, including insulin- and glucagon-producing alpha- and beta-cells, but not in acinar cells (at protein level). Detected in adrenal glands, particularly in the deeper layer of the cortex (at protein level). {ECO:0000269|PubMed:21343251}.

Similarity:

Contains 5 C2H2-type zinc fingers.

SWISS:

Q96T92

Gene ID:

84684

Database links:

[Entrez Gene: 84684](#) Human

[Entrez Gene: 56856](#) Mouse

[Entrez Gene: 314131](#) Rat

[SwissProt: Q96T92](#) Human

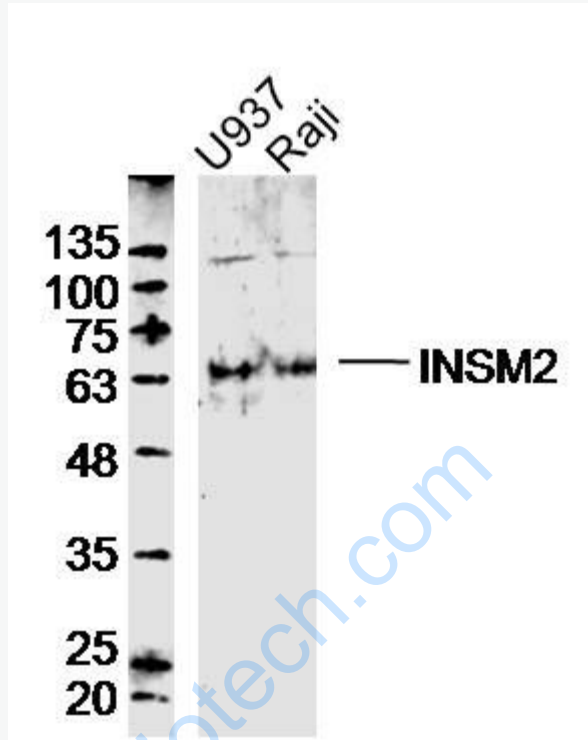
[SwissProt: Q9JMC2](#) Mouse

[Unigene: 62813](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

U937 Cell (Human) Lysate at 40 ug

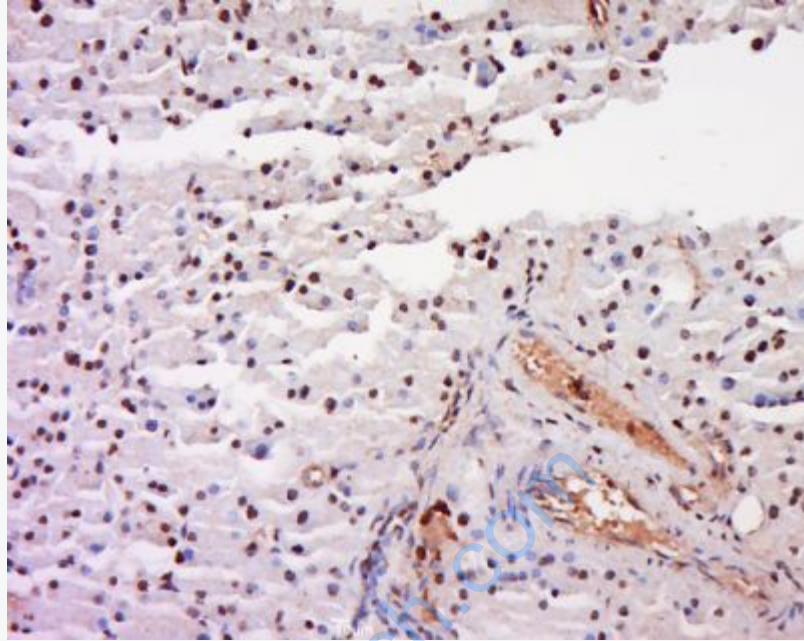
Raji Cell (Human) Lysate at 40 ug

Primary: Anti- INSM2 (SL16676R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 58 kD

Observed band size: 63 kD



Tissue/cell: rat pancreas tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer
(normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-INSM2 Polyclonal Antibody, Unconjugated(SL16676R) 1:500,
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and
DAB(C-0010) staining