

IA-6 Antibody

Catalog # ASC10989

Product Information

Application	WB, E
Primary Accession	Q96T92
Other Accession	AAI30380 , 120659844
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	59491
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	IA-6 antibody can be used for detection of IA-6 by Western blot at 1 - 2 μ g/mL.

Additional Information

Gene ID	84684
Other Names	Insulinoma-associated protein 2, Zinc finger protein IA-6, INSM2, IA6
Target/Specificity	INSM2;
Reconstitution & Storage	IA-6 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	IA-6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	INSM2
Synonyms	IA6
Function	May function as a growth suppressor or tumor suppressor in liver cells and in certain neurons.
Cellular Location	Cytoplasm. Nucleus.
Tissue Location	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).

Background

IA-6 Antibody: IA-6, also known as insulinoma-associated 2 or INSM2, is related to IA-1 (INSM1), a zinc-finger factor that is expressed in the developing nervous system. While the exact function of IA-6 is not known, other related insulinoma-associated proteins such as IA-2 are major autoantigens in type 1 diabetes. The homology exhibited by IA-6 to IA-1 has led to speculation that IA-6 may also play a role in the regulation of gene transcription.

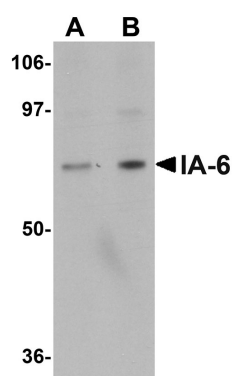
References

Ota T, Suzuki Y, Nishikawa T, et al. Complete sequencing and characterization of 21,243 full-length human cDNAs. *Nat. Genet.*2004; 36:40-5.

Wildner H, Gierl MS, Strehle M, et al. Insm (IA-1) is a crucial component of the transcriptional network that controls differentiation of the sympathoadrenal lineage. *Dev.*2008; 135:473-81.

Trembleau S, Penna G, Grigori S, et al. Early Th1 response in unprimed nonobese diabetic mice to the tyrosine phosphatase-like insulinoma-associated protein 2, an autoantigen in type 1 diabetes. *J. Immunol.*2000; 165:6748-55.

Images



Western blot analysis of IA-6 in rat thymus tissue lysate with IA-6 antibody at (A) 1 and (B) 2 μ g/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.