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Datasheet for ABIN6991197
anti-INSM1 antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	INSM1
Binding Specificity:	AA 90-140, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This INSM1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	IA-1 antibody was raised against a 19 amino acid synthetic peptide from near the amino terminus of human IA-1. The immunogen is located within amino acids 90 - 140 of IA-1.
Isotype:	IgG
Purification:	IA-1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	INSM1
Alternative Name:	IA-1 (INSM1 Products)
Background:	IA-1 Antibody: IA-1, also known as INSM1, is an essential five zinc-finger transcription factor that while initially identified from an insulinoma cDNA library, is expressed in the developing nervous system. Specifically, IA-1 is expressed as early as E9.5 in mice in the fore-, mid- and

Target Details

hindbrain, spinal cord, retina, and olfactory bulb. It is thought that IA-1 functions as a transcriptional repressor, and is a part of several signaling pathways including those of Notch and sonic hedgehog in addition to that of Ngn3 during pancreatic endocrine cell differentiation. IA-1 is also expressed in multiple tumors, including the majority of neuroendocrine tumors tested so far as well as nearly 100 % of all small cell lung carcinomas, indicating that IA-1 may be an important target in cancer therapy.

Gene ID: 3642

NCBI Accession: [NP_002187](#)

UniProt: [Q01101](#)

Application Details

Application Notes: IA-1 antibody can be used for detection of IA-1 by Western blot at 1 µg/mL.

Antibody validated: Western Blot in rat samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: IA-1 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: IA-1 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.