

Anti-IA-1 INSM1 Antibody

Catalog Number: A05005

About INSM1

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 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.

Overview

Product Name	Anti-IA-1 INSM1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-IA-1 INSM1 Antibody (Catalog # A05005). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	IA-1 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	IA-1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q01101

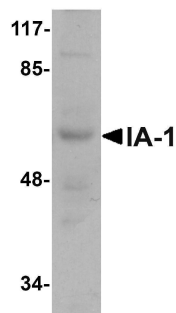
Technical Details

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.
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	IA-1 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

IA-1 antibody can be used for detection of IA-1 by Western blot at 1 ug/mL.
Antibody validated: Western Blot in rat samples. All other applications and species not yet tested.
Optimal dilutions for each application should be determined by the researcher.

Anti-IA-1 INSM1 Antibody (A05005) Images



Western blot analysis of IA-1 in rat thymus tissue lysate with IA-1 antibody at 1 ug/mL.

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Anti-IA-1 INSM1 Antibody

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