IA-1 antibody (pAb)
Rabbit Anti-Human/Mouse/Rat Insulinoma-Associated 1 (INSM1, IA1)

Instruction Manual

Catalog Number | PK-AB718-5415

Synonyms | IA-1 Antibody; Insulinoma-associated 1, INSM1, IA1

Description | 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.

Quantity | 100 µg

Source / Host | Rabbit

Immunogen | IA-1 antibody was raised against a 19 amino acid peptide from near the amino terminus of human IA-1.

Purification Method | Affinity chromatography purified via peptide column.

Clone / IgG Subtype | Polyclonal antibody

Species Reactivity | Human, Mouse, Rat

Specificity

Formulation | Antibody is supplied in PBS containing 0.02% sodium azide.

Reconstitution | During shipment, small volumes of antibody will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µl or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container’s cap.

Storage & Stability | Antibody can be stored at 4°C for three months and at -720°C 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.

Applications | E, WB | Note: Antibody might be suitable for other applications not tested so far. Optimal concentrations for each application have to be determined individually.

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

Images | Available upon request.


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Related Products | Cat.No. PK-AB718-5415P - IA-1 Peptide
Cat. No. PK-AB718-1471 - Rat Thymus Tissue Lysate