

Datasheet for 200-901-EM3**SIVA Antibody****Overview**

Description:	Anti-SIVA (CHICKEN) Antibody - 200-901-EM3
Item No.:	200-901-EM3
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse
Host Species:	Chicken

Product Details

Background:	SIVA plays an important role in the apoptotic pathway induced by the CD27 antigen, a member of the tumor necrosis factor receptor (TNFR) superfamily. SIVA is a small cysteine-rich protein with a unique N-terminal amphipathic helical region, a death domain homology region (DDHR) and a C-terminal cysteine-rich B-box-like or zinc-finger-like structure. The DDHR domain binds to CD27 and induces apoptosis in T cells through a caspase-dependent mitochondrial pathway. SIVA inhibits BCL2L1 isoform Bcl-xL anti-apoptotic activity and inhibits activation of NFκ-B and promotes T-cell receptor-mediated apoptosis. SIVA represents a potential therapeutic target for the treatment of neuronal cell death diseases.
Synonyms:	SIVA Antibody, SIVA, CD27BP, Siva-1, Siva-2, SIVA, Apoptosis regulatory protein Siva, CD27-binding protein
Host Species:	Chicken
Clonality:	Polyclonal
Format:	IgY

Target Details

Gene Name:	SIVA1
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SIVA antibody was prepared from chicken egg fractions produced by repeated immunizations with a 16 amino acid synthetic peptide near the N-terminus of human SIVA.

Purity/Specificity:	Anti-SIVA Antibody is an IgY fraction that has been affinity purified by immunoaffinity purification. Cross reactivity with SIVA from other sources has not been determined.
Relevant Links:	• UniProtKB - O15304 • GeneID - 10572 • NCBI - NP_068355

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-SIVA Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 19 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
WB:	1 µg/mL

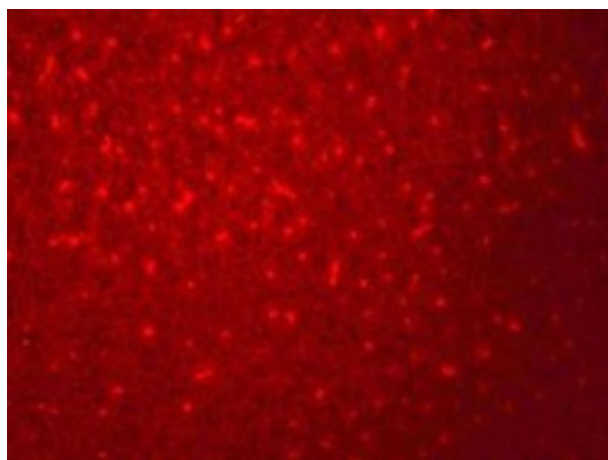
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

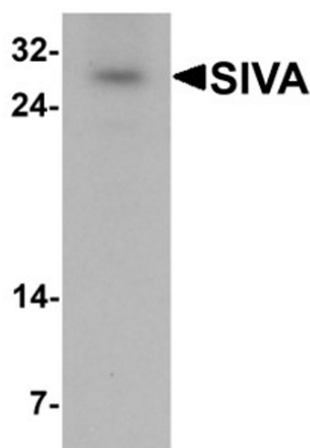


Immunofluorescence Microscopy

Immunofluorescence of SIVA.

Tissue: mouse liver cells.

Primary Antibody: SIVA antibody at 20 µg/mL.



Western Blot

Western blot analysis of SIVA.

Load: mouse liver tissue lysate.

Primary Antibody: SIVA antibody at 1 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.