

Datasheet for 600-401-950**ECSIT Antibody****Overview**

Description:	Anti-ECSIT (RABBIT) Antibody - 600-401-950
Item No.:	600-401-950
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	Activation of NF-κB as a result of Toll-like receptor (TLR) and IL-1 receptor signaling is a major component of innate immune responses (reviewed in 1). Signals from these receptors are relayed by a number of adapter molecules such as TRIF, TIRAP, and MyD88 (2) to kinases such as IRAK (3) and other intermediates such as TNF receptor associated factor (TRAF)-6 (4). ECSIT (evolutionarily conserved signaling intermediate in Toll pathways) was initially identified as a cytoplasmic protein interacting specifically with TNF receptor associated factor (TRAF)-6 in the TLR pathway (5). Recently however, ECSIT has also been shown to be required for bone morphogenetic protein (Bmp) signaling and mesoderm formation during mouse embryogenesis (6), indicating the possibility of cross-talk between the TLR/IL-B and Bmp signaling pathways.
Synonyms:	Evolutionarily conserved signaling intermediate in Toll pathways antibody, Signaling intermediate in Toll pathway evolutionarily conserved antibody, SITPEC antibody, SITPEC protein antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ECSIT
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the carboxy terminus of human ECSIT protein.
Purity/Specificity:	This affinity-purified antibody is directed against human ECSIT protein. The product is affinity chromatography purified via peptide column. A BLAST analysis was used to suggest cross reactivity with ECSIT protein from human and mouse sources based on 100% homology with the immunizing sequence. Reactivity against homologues from other sources is not known.
Relevant Links:	• NCBI - 20149633 • UniProtKB - Q9BQ95 • GeneID - 51295

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	This affinity-purified antibody has been tested for use in ELISA, immunohistochemistry and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 45 kDa in size corresponding to ECSIT protein by western blotting in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:20,000
IHC:	1:500
WB:	1:500 - 1:2,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

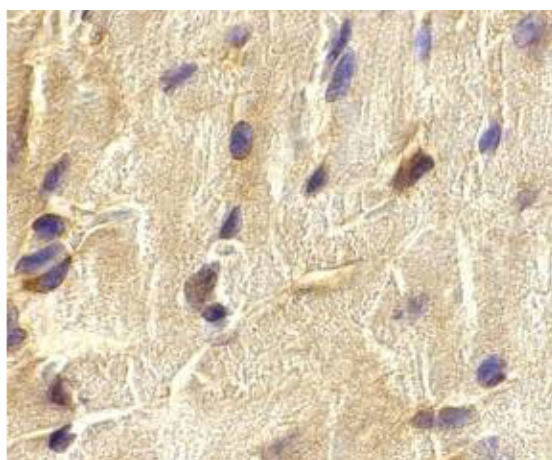
Shipping & Handling

Shipping Condition:	Dry Ice
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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.

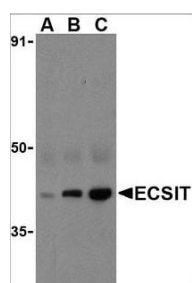
Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry using Rockland's affinity purified anti-ECSIT antibody shows staining of ECSIT in mouse heart tissue. Paraffin embedded formalin fixed tissue was reacted with primary antibody diluted 1:500.



Western Blot

Western blot using Rockland's affinity purified anti-ECSIT antibody shows detection of ECSIT in human heart whole cell lysate. The membrane was probed with the primary antibody diluted to 1:2000 (lane 1), 1:1000 (lane 2), and 1:500 (lane 3) respectively.

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.