

Datasheet for 600-401-947**Aubergine/Sting Antibody****Overview**

Description:	Anti-Aubergine/Sting (RABBIT) Antibody - 600-401-947
Item No.:	600-401-947
Size:	100 µg
Applications:	ELISA
Reactivity:	D. melanogaster
Host Species:	Rabbit

Product Details

Background: Aubergine (Sting) is a Drosophila protein involved in germ-line development and RNA interference. Drosophila melanogaster has a robust and efficient innate immune system, which reacts to infections ranging from bacteria to fungi and, as discovered recently, viruses as well. The known Drosophila immune responses rely on humoral and cellular activities, similar to those found in the innate immune system of other animals. Recently, RNAi or 'RNA silencing' has arisen as a possible means by which Drosophila can react to specific pathogens, transposons and retroviral elements, in a fashion similar to that of a traditional mammalian adaptive immune system instead of in a more generalized and genome encoded innate immune-based response. RNAi is a highly conserved regulation and defense mechanism, which suppresses gene expression via targeted RNA degradation directed by either exogenous dsRNA (cleaved into siRNAs) or endogenous miRNAs. In plants, RNAi has been found to act as an antiviral immune response system. In Drosophila multiple core RNAi pathway genes have been reported, including piwi, vasa intronic gene (vig), aubergine (aub), armitage (armi), Rm62, r2d2 and Argonaute2 (AGO2).

Synonyms:	rabbit anti-Aubergine/Sting Antibody, rabbit anti-Aubergine Antibody, rabbit anti-Sting Antibody, Aubergine isoform A
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name: aub

Reactivity:	D. melanogaster
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 an internal region of Drosophila melanogaster Aubergine/Sting protein.
Purity/Specificity:	Anti-Aubergine affinity-purified antibody is directed against Drosophila Aubergine protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest limited cross reactivity with Aubergine protein from other sources.
Relevant Links:	• UniProtKB - O76922 • NCBI - 17136494 • GeneID - 34524

Application Details

Tested Applications:	ELISA
Application Note:	Aubergine affinity-purified antibody has been tested for use in ELISA. Specific conditions for reactivity should be optimized by the end user. By western blot a band approximately 98 kDa in size corresponding to Aubergine protein is expected 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:	1:20,000
WB:	1:1,000 - 1:10,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
----------------------------	---------

Storage Condition: Store antibody 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.

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.