

Product datasheet for **AP09333PU-N**

aub Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	ELISA: 1/6,000 - 1/30,000.
Reactivity:	Drosophila
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to an internal region of Drosophila melanogaster Aubergine/Sting protein
Specificity:	This antibody is directed against Drosophila Aubergine protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 0.01% (w/v) Sodium Azide State: Aff - Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	O76922



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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:

aub