



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Rabbit Anti-Drosophila Relish Antibody

Catalog No: 130-10080	Isotype: Rabbit IgG	Species: <i>Drosophila</i>	Accession No: NP_477094
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Description

The NF- κ B-like transcription factor Relish plays a central role in the innate immune response of *Drosophila*. Relish is a bipartite NF- κ B precursor protein, with an N-terminal Rel homology domain and a C-terminal I κ B-like domain, similar to mammalian p100 and p105. Unlike mammalian NF- κ B proteins, Relish is activated by endoproteolytic cleavage to generate a DNA-binding Rel homology domain (545 a.a.) and a stable I κ B-like fragment (426 a.a.).

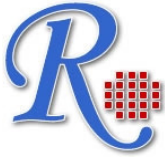
Applications

Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	*			1 : 80,000
Western Blotting			*	
Enzyme Immunoassay (EIA)			*	
Immunohistology - paraffin			*	
Immunohistology - resin			*	
Immunoprecipitation			*	
Flow Cytometry			*	
Neutralization			*	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Preparation

Immunogen was synthetic peptide derived from *Drosophila* Relish. This antibody was produced from a rabbit immunized with the immunogen. The IgG fraction was purified from rabbit serum followed by Protein A/G affinity chromatography.

Specificity

The antibody binds specifically to *Drosophila* Relish.

Reconstitution

Product is supplied as a powder obtained from lyophilization of purified antibody in PBS without preservatives. Reconstitute the antibody with sterile 1 x PBS to a final concentration of 1 mg/ml.

Storage

Store at 4°C if intended for use within one month, otherwise, store at -20°C to -80°C. The lyophilized antibody is stable for at least 18 months after the date of receipt when stored at -20°C to -80°C. After reconstitution, it can also be aliquoted and stored frozen at -20°C to -80°C in a manual defrost freezer for at least 6 months without detectable loss of activity. Upon reconstitution, the antibody can also be stored for 30 days at 4°C. **Please avoid freeze-thaw cycles, as this will lower the activity of the antibody.**

Related products

Rabbit Anti-*Drosophila* Relish (cat# RB-14-0004-200)

Reference

1. Wiklund ML, et al.. (2009) The N-terminal half of the *Drosophila* Rel/NF-kappaB factor Relish, REL-68, constitutively activates transcription of specific Relish target genes. *Dev Comp Immunol.* 33(5):690-6.
2. Stöven S, et al.. (2000) Activation of the *Drosophila* NF-kappaB factor Relish by rapid endoproteolytic cleavage. *EMBO Rep.*1(4):347-52

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