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# HYBRIDOMA 4D9 PRODUCING MONOCLONAL ANTIBODIES SPECIFIC FOR ENGRAILED AND INVECTED PROTEINS OF VARIOUS ANIMALS

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### **ABSTRACT**

This invention describes the development of a monoclonal antibody that is highly useful for examining the expression of engrailed and invected gene products in Drosophila and a number of different arthopods, annelids, and chordates. The epitope fothe the antibody has been localized to residues 38-58 of the homeodomain. Engrailed class proteins play several fundamental roles in embryo patterning and this antibody is useful for examining the segmentation from the cellular blastoderm stage onward.

Reference:

Patel, N.H. & et al. 1989. Expression of engrailed proteins in arthopods, annelieds, and chordates. Cell 58:955-68

## **APPLICATIONS**

Antibody recognizes engrailed products in Drosophila, grasshopper, crayfish, lobster, zebrafish, chicken, and Xenopus.

## **ADVANTAGES**

Can be used to rapidly study gene expression of engrailed proteins in a variety of organisms.

## CONTACT

Terri Sale terri.sale@berkeley.edu tel: 510-643-4219.



# OTHER INFORMATION

**KEYWORDS** 

antibody, research tool

**CATEGORIZED AS** 

» Research Tools

» Antibodies

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Tel: 510.643.7201 | Fax: 510.642.4566