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.

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OTHER INFORMATION

KEYWORDS

antibody, research tool

CATEGORIZED AS

» **Research Tools**

» Antibodies

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