# CED-2 (cN-16): sc-12110



The Power to Question

#### **BACKGROUND**

Several proteins involved in regulating and executing programmed cell death have been identified in *C. elegans*. CED-2, which is similar to the human adaptor protein CrkII, as well as CED-5 and CED-7, which are orthologs of the mammalian DOCK180 and ABC transporter proteins, respectively, are involved in the engulfment of dying cells. CED-3, a member of the ICE protease/caspase family, and CED-4, a homolog of the mammalian Apaf-1, both promote apoptosis, whereas CED-9, a homolog of the mammalian Bcl-2 protein, inhibits cell death. EGL-1 and CED-6 both function as death-promoting proteins, with CED-6 playing a role in the engulfment of apoptotic cells. Ces-2 kills neurons by negatively regulating the protective activity of Ces-1, thereby controlling the programmed deaths of specific neurons.

## **REFERENCES**

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- Hengartner, M.O., et al. 1994. C. elegans cell survival gene CED-9 encodes a functional homolog of the mammalian proto-oncogene Bcl-2. Cell 76: 665-676.
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- 8. Metzstein, M.M., et al. 1999. The *C. elegans* cell death specification gene ces-1 encodes a snail family zinc finger protein. Mol. Cell 4: 309-319.
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# **SOURCE**

CED-2 (cN-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of CED-2 of *Caenorhabditis elegans* origin.

#### **PRODUCT**

Each vial contains 200  $\mu g$  lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-12110 P, (100  $\mu g$  peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

#### **APPLICATIONS**

CED-2 (cN-16) is recommended for detection of CED-2 of *Caenorhabditis elegans* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

## **RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## **STORAGE**

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

#### **RESEARCH USE**

For research use only, not for use in diagnostic procedures.

### **PROTOCOLS**

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

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