

# QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

## Anti-Caspase-9 (I16) Antibody

### ORDERING INFORMATION

**Catalog No.:** 2417

**Size:** 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chroma-tography.

### BACKGROUND

Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death signals are transduced by death domain-containing adapter molecules and members of the caspase family of proteases. Caspase-9 and Apaf-1 bind to each other, which leads to caspase-9 activation. Caspase-9 is also activated by granzyme B and CPP32. Activated caspase-9 cleaves and activates caspase-3, a protease responsible for proteolytic cleavage of many key proteins involved in apoptosis. Caspase-9 plays a central role in cell death induced by a wide variety of apoptosis inducers including TNF $\alpha$ , TRAIL, anti-CD95, FADD, and TRADD. Caspase-9 is expressed in a variety of human tissues.

### SPECIFICATION SUMMARY

**Antigen:** Peptide corresponding to aa 41-56 of human caspase-9.

**Host Species:** Rabbit

**Stabilizers:** None

**Preservatives:** 0.02% sodium azide.

### SPECIFICITY

This antibody recognizes full-length human caspase-9 (46 kD).

### APPLICATIONS

*Immunoblotting:* use at 1:1,000-1:2,000 dilution.

*Positive control:* Whole cell lysate from HeLa cells.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*