

QED Bioscience Inc.

ADVANCED ANTIBODY TECHNOLOGIES

Anti-AIF (IN) Antibody

ORDERING INFORMATION

Catalog No.: 2267

Size: 100 ug IgG in 200 ul PBS, pH 7.4, purified by immunoaffinity chromatography.

BACKGROUND

Apoptosis is characterized by several morphological nuclear changes including chromatin condensation and nuclear fragmentation. These changes are triggered by the activation of caspases, caspase-activated DNase, and several other proteins. A novel protein that causes chromatin condensation and DNA fragmentation has been designated Apoptosis Inducing Factor (AIF). AIF localizes in mitochondria and translocates to the nucleus when apoptosis is induced. This event is followed by the release of cytochrome c and caspase-9 from mitochondria. AIF is highly conserved between human and mouse and widely expressed in different cell types and tissues.

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 517-531 of human AIF. This sequence is identical to those of mouse and rat AIF.

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes human, mouse, and rat AIF (67 kD).

APPLICATIONS

Immunoblotting: use at 1:500-1:2,000 dilution.

Positive control: Whole cell lysate from K562 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.