
Mimitin Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254159

Unit: 0.1 mg

Description:

Mimitin, a small mitochondrial protein, whose transcription is directly stimulated by c-Myc, is highly expressed in 80% of esophageal squamous cell carcinomas (ESCC). Suppression of Mimitin expression by RNA interference had no effect in cancerous cell lines such as human cervical carcinoma or hepatocarcinoma cell lines, but caused a decrease in cell proliferation in human glioblastoma, embryonic lung fibroblastic cells, and ESCC, suggesting Mimitin may play a special role in these types of cells. Mimitin expression is also regulated by MAPK kinases and IL-1, but not through the NF-kappaB-related pathway. It will interact with the microtubular protein MAP1S and can affect the activities of caspase-3 and -7 in cells stimulated to develop apoptosis. Other experiments suggest that Mimitin also acts as a molecular chaperone for the assembly of the mitochondrial complex I.

Isotype: Rabbit Ig

Applications: E, WB, IF

Species Reactivity: H

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Mimitin; NADH dehydroxygenase (ubiquinone) 1 alpha subcomplex; assembly factor 2; NDUFAF2; NDUFA12L; MMTN

Accession No.: NP_777549

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human Mimitin.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IF: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.