

Anti-DnaJa3
(DnaJ homolog subfamily A member 3, mitochondrial)
Polyclonal Antibody

Cat. #: 60C070

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Description:

DnaJa3(DnaJ homolog subfamily A member 3) modulates apoptotic signal transduction or effector structures within the mitochondrial matrix. DnaJa3 affect cytochrome C release from the mitochondria and caspase 3 activation, but not caspase 8 activation. Isoform 1 increases apoptosis triggered by both TNF and the DNA-damaging agent mytomycin C; in sharp contrast, isoform 2 suppresses apoptosis. DnaJa3 can modulate IFN-gamma-mediated transcriptional activity. It interacts with JAK2, HSPA9B and IFN-gammaR2 chain. It also interacts with Ras GTPase-activating protein 1 (RASA1). Modulation of apoptosis, i.e proapoptotic activity of isoform 1 and antiapoptotic activity of isoform 2, is J domain-dependent. DnaJa3 contains 1 CR domain and 1 J domain.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of mouse DnaJa3 (DnaJ homolog subfamily A member 3, mitochondrial precursor)

References

Trentin,G.A., et al, J. Biol. Chem. 276 (16), 13087-13095 (2001)
Sarkar,S., et al, J. Biol. Chem. 276 (52), 49034-49042 (2001)

Species: mouse, human

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)