

apoptosis induced by cytotoxic pdf

Paclitaxel has been demonstrated to be an effective mitotic inhibitor and apoptosis inducer to treat aggressive malignancies. In this paper, we have provided a line of evidence that promotion of apoptotic cell death by paclitaxel was accompanied with induction of autophagy in A549 cells.

Autophagy inhibition promotes paclitaxel-induced apoptosis

A brisk neuroinflammatory response is a hallmark of radiation brain injury. There has been limited assessment of the impact of immunological effects on radiation toxicity in the central nervous system. The roles of blood circulating neutrophils and tumor-infiltrating lymphocytes in chemoradiation-induced temporal lobe necrosis (TLN) in patients with nasopharyngeal carcinoma (NPC) have not ...

Red Journal - Biology * Physics

Granzyme B is a serine protease most commonly found in the granules of cytotoxic lymphocytes (CTLs), natural killer cells (NK cells) and cytotoxic T cells. It is secreted by these cells along with the pore forming protein perforin to mediate apoptosis in target cells.. Granzyme B has also more recently found to be produced by a wide range of non-cytotoxic cells ranging from basophils and mast ...

Granzyme B - Wikipedia

Overview of reactive oxygen species and intracellular sources. Reactive oxygen species (ROS) is a collective term that broadly describes O₂-derived free radicals such as superoxide anion (O₂^{•-}), hydroxyl (HO), peroxy (RO₂), and alkoxy (RO) radicals, as well as O₂-derived nonradical species such as hydrogen peroxide (H₂O₂). The mitochondrion is a major intracellular source of ROS.

Reactive oxygen species, cellular redox systems, and

Oxidative stress induction by T-2 toxin causes DNA damage and triggers apoptosis via caspase pathway in human cervical cancer cells

Oxidative stress induction by T-2 toxin causes DNA damage

Fas or FasR, also known as apoptosis antigen 1 (APO-1 or APT), cluster of differentiation 95 (CD95) or tumor necrosis factor receptor superfamily member 6 (TNFRSF6) is a protein that in humans is encoded by the FAS gene.. The Fas receptor is a death receptor on the surface of cells that leads to programmed cell death (). It is one of two apoptosis pathways, the other being the mitochondrial ...

Fas receptor - Wikipedia

This study characterizes the DNA binding specificity of mycobacterial VapB46 antitoxin from the VapBC46 toxin-antitoxin (TA) operon. VapB46 binds to the promoter-operator region in the upstream DNA sequence through its dimeric N-terminal domain and regulates the VapBC TA operon, thus providing an insight into the transcriptional regulation of the VapBC46 TA operon.

The FEBS Journal - Wiley Online Library

176 Vol. 8, No. 6 May 2008 PROCEEDINGS ular target of rapamycin (mTOR) pathway, which initi-ates the cell cycle.7 In attempting to clarify this complex and multi-step process, only a portion of which is covered here,

HEART TRANSPLANTATION: GRAFT REJECTION BASICS C

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THE DIAGNOSTIC ROLES OF INTERFERON γ ENZYME

T_H2 Mast Cell NK Treg Th/ Tc DC Neutrophils B Cell Mono/Mac I Granzyme A/B PD-L 1 cAMP MH C C R
IDO G F- γ R X40L X40 CD80/CD86 A-4 T GF- γ PD-1 IV III V VI VII II Target Immune Cells Treg Actions

SMARTImmunology - smartanalyst.com

: dexamethasone is contraindicated in patients with systemic fungal infections. Live virus vaccines should not be given to patients receiving immunosuppressive glucocorticoid doses.

DRUG NAME: Dexamethasone - BC Cancer

WRN Is Required for ATM Activation and the S-Phase Checkpoint in Response to Interstrand
Cross-Link-Induced DNA Double-Strand Breaks

WRN Is Required for ATM Activation and the S-Phase

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