

## Pd 1 Blockade In Tumors With Mismatch Repair Deficiency

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*PD-1/PD-L1 blockade has been used in the treatment of melanoma, non-small cell lung cancer (NSCLC), 2 bladder carcinoma, 3,4 Hodgkin's lymphoma, 5,6 and Merkel cell carcinoma. 7,8 However, in the actual clinical practice, the presence of drug resistance reduces the efficacy of PD-1/PD-L1 blockade.*

*Resistance Mechanism of PD-1/PD-L1 Blockade in the Cancer ...*
*PD-1/PD-L1 blockade is a breakthrough in cancer immunotherapy, and it has been trialed in a broad range of malignancies in the preclinical or clinical stage, including melanoma [ 6 ], Hodgkin's lymphoma [ 7 ], breast cancer [ 8, 9 ], non-small cell lung cancer (NSCLC) [ 10 ], as well as hepatocellular carcinoma [ 11, 12 ].*

*Resistance to PD-1/PD-L1 blockade cancer immunotherapy ...*
*Although programmed death-1 (PD-1) or programmed death ligand-1 (PD-L1) check-point blockade has been a breakthrough in cancer therapy,1 2 the objective response rate in solid tumors is only 20% to 30%.3 4 Therefore, strategies to improve the respon-*

*Nuclear imaging-guided PD-L1 blockade therapy increases ...*
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*Strategies to improve the responsiveness of programmed death-1 (PD-1)/programmed death ligand-1 (PD-L1) checkpoint blockade therapy remain an essential topic in cancer immunotherapy. In this study, we developed a new radiolabeled nanobody-based imaging probe 99mTc-NY1523 targeting PD-L1 for the enhanced therapeutic efficacy of PD-L1 blockade immunotherapy by the guidance of 99mTc ...*

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*Mismatch repair deficiency predicts response of solid ...*
*PD-1 inhibitors, a new class of drugs that block PD-1, activate the immune system to attack tumors and are used to treat certain types of cancer. The PD-1 protein in humans is encoded by the PDCD1 gene. PD-1 is a cell surface receptor that belongs to the immunoglobulin superfamily and is expressed on T cells and pro-B cells.*

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